

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039455.D
 Acq On : 22 Dec 2023 21:01
 Operator : JC/MD
 Sample : 05966-13MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COLTOMS

Quant Time: Dec 23 06:31:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/27/2023
 Supervised By : Mahesh Dadoda 12/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	103739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95185	50.086	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.180%			
35) Dibromofluoromethane	5.385	113	67671	50.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.460%			
50) Toluene-d8	8.647	98	255187	51.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.040%			
62) 4-Bromofluorobenzene	11.079	95	103210	50.017	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	73517	50.433	ug/l	96
3) Chloromethane	1.294	50	82299	50.926	ug/l	99
4) Vinyl Chloride	1.374	62	79181	52.683	ug/l	99
5) Bromomethane	1.599	94	44597	51.575	ug/l	99
6) Chloroethane	1.684	64	48974	54.071	ug/l	99
7) Trichlorofluoromethane	1.886	101	113632	51.632	ug/l	99
8) Diethyl Ether	2.130	74	41296	54.216	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	66891	49.807	ug/l	95
10) Methyl Iodide	2.453	142	58885	42.419	ug/l	94
11) Tert butyl alcohol	2.953	59	101421	212.521	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	66266	49.673	ug/l	97
13) Acrolein	2.233	56	125253	328.994	ug/l	100
14) Allyl chloride	2.660	41	133704	49.475	ug/l	97
15) Acrylonitrile	3.056	53	246439	257.989	ug/l	99
16) Acetone	2.373	43	208081	182.195	ug/l	95
17) Carbon Disulfide	2.514	76	186457	47.762	ug/l	99
18) Methyl Acetate	2.696	43	190110	46.250	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	238672	49.469	ug/l	100
20) Methylene Chloride	2.788	84	79804	50.374	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	71437	49.212	ug/l	97
22) Diisopropyl ether	3.757	45	255767	51.992	ug/l	88
23) Vinyl Acetate	3.715	43	855231	233.523	ug/l	99
24) 1,1-Dichloroethane	3.605	63	140212	50.421	ug/l	98
25) 2-Butanone	4.550	43	343768	209.624	ug/l	99
26) 2,2-Dichloropropane	4.471	77	103200	42.509	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	82807	51.682	ug/l	100
28) Bromochloromethane	4.897	49	78264	57.681	ug/l	92
29) Tetrahydrofuran	4.995	42	231626	255.759	ug/l	99
30) Chloroform	5.092	83	140261	50.473	ug/l	96
31) Cyclohexane	5.470	56	124620	50.770	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	116688	48.369	ug/l	97
36) 1,1-Dichloropropene	5.690	75	103202	48.547	ug/l	99
37) Ethyl Acetate	4.708	43	119913	45.658	ug/l	99
38) Carbon Tetrachloride	5.678	117	96164	47.402	ug/l	98
39) Methylcyclohexane	7.379	83	120730	47.280	ug/l	96
40) Benzene	6.037	78	301069	50.067	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039455.D
 Acq On : 22 Dec 2023 21:01
 Operator : JC/MD
 Sample : 05966-13MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COLTOMS

Quant Time: Dec 23 06:31:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2023
 Supervised By : Mahesh Dadoda 12/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	70824	50.542	ug/l	96
42) 1,2-Dichloroethane	6.086	62	117350	48.210	ug/l	100
43) Isopropyl Acetate	6.336	43	196846	46.091	ug/l	99
44) Trichloroethene	7.123	130	71751	47.284	ug/l	92
45) 1,2-Dichloropropane	7.427	63	82061	50.847	ug/l	99
46) Dibromomethane	7.580	93	56737	50.011	ug/l	94
47) Bromodichloromethane	7.817	83	108573	50.053	ug/l	98
48) Methyl methacrylate	7.689	41	125241	50.161	ug/l	95
49) 1,4-Dioxane	7.659	88	32901	977.584	ug/l #	98
51) 4-Methyl-2-Pentanone	8.573	43	695140	255.461	ug/l	98
52) Toluene	8.714	92	183785	50.637	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	114471	47.933	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	121668	47.349	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	76735	50.643	ug/l	93
56) Ethyl methacrylate	9.116	69	95701	51.738	ug/l	96
57) 1,3-Dichloropropane	9.305	76	133043	50.789	ug/l	99
59) 2-Hexanone	9.427	43	550546	234.431	ug/l	98
60) Dibromochloromethane	9.518	129	75043	48.971	ug/l	99
61) 1,2-Dibromoethane	9.610	107	81997	50.692	ug/l	99
64) Tetrachloroethene	9.268	164	53664	44.594	ug/l	93
65) Chlorobenzene	10.079	112	192295	47.840	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	68266	48.081	ug/l	98
67) Ethyl Benzene	10.189	91	365197	48.809	ug/l	96
68) m/p-Xylenes	10.299	106	262189	97.734	ug/l	94
69) o-Xylene	10.640	106	127310	49.083	ug/l	94
70) Styrene	10.652	104	189997	50.105	ug/l	96
71) Bromoform	10.799	173	49558	46.959	ug/l #	98
73) Isopropylbenzene	10.963	105	345233	48.172	ug/l	100
74) N-amyl acetate	10.841	43	166353	45.878	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	133199	49.962	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	111533m	46.411	ug/l	
77) Bromobenzene	11.195	156	75659	47.741	ug/l	90
78) n-propylbenzene	11.305	91	424636	48.091	ug/l	97
79) 2-Chlorotoluene	11.360	91	249667	46.745	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	296159	48.509	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	36819	43.221	ug/l	97
82) 4-Chlorotoluene	11.451	91	297115	47.362	ug/l	99
83) tert-Butylbenzene	11.713	119	276599	47.605	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	300571	48.008	ug/l	100
85) sec-Butylbenzene	11.890	105	353540	47.817	ug/l	97
86) p-Isopropyltoluene	12.006	119	295554	47.632	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	148293	47.630	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	151099	46.610	ug/l	98
89) n-Butylbenzene	12.329	91	289285	47.426	ug/l	96
90) Hexachloroethane	12.536	117	51003	45.504	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	141323	47.440	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32703	46.571	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	89552	45.908	ug/l	98
94) Hexachlorobutadiene	13.725	225	30579	41.598	ug/l	97
95) Naphthalene	13.774	128	334424	49.229	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	86598	45.987	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
Data File : VX039455.D
Acq On : 22 Dec 2023 21:01
Operator : JC/MD
Sample : 05966-13MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COLTOMS

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/27/2023
Supervised By :Mahesh Dadoda 12/28/2023

Quant Time: Dec 23 06:31:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#)=qualifier out of range (m)=manual integration (+)=signals summed						

