

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041423\
 Data File : VX035067.D
 Acq On : 13 Apr 2023 16:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 05:42:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	278677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	454603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	182076	42.721	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.440%		
35) Dibromofluoromethane	5.385	113	142303	47.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.660%		
50) Toluene-d8	8.646	98	522642	47.092	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.180%		
62) 4-Bromofluorobenzene	11.079	95	203592	47.404	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	196919	70.847	ug/l	100
3) Chloromethane	1.300	50	186985	53.730	ug/l	99
4) Vinyl Chloride	1.373	62	192142	55.762	ug/l	99
5) Bromomethane	1.605	94	86701	38.721	ug/l	93
6) Chloroethane	1.678	64	109782	48.969	ug/l	98
7) Trichlorofluoromethane	1.886	101	258368	46.641	ug/l	99
8) Diethyl Ether	2.129	74	101023	51.729	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.324	101	163111	56.336	ug/l	98
10) Methyl Iodide	2.446	142	192467	53.380	ug/l	95
11) Tert butyl alcohol	2.971	59	183300	245.127	ug/l	99
12) 1,1-Dichloroethene	2.318	96	155392	54.315	ug/l	98
13) Acrolein	2.233	56	239596	311.259	ug/l	100
14) Allyl chloride	2.660	41	300595	53.631	ug/l	98
15) Acrylonitrile	3.062	53	504077	299.476	ug/l	100
16) Acetone	2.379	43	420105	242.646	ug/l	98
17) Carbon Disulfide	2.507	76	371777	51.887	ug/l	100
18) Methyl Acetate	2.702	43	374693	60.910	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	575302	54.313	ug/l	97
20) Methylene Chloride	2.788	84	179862	52.645	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	169904	54.453	ug/l	96
22) Diisopropyl ether	3.757	45	606503	53.629	ug/l	90
23) Vinyl Acetate	3.721	43	2250382	279.009	ug/l	100
24) 1,1-Dichloroethane	3.605	63	324489	53.327	ug/l	98
25) 2-Butanone	4.550	43	715037	283.916	ug/l	99
26) 2,2-Dichloropropane	4.470	77	249823	49.925	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	199367	53.924	ug/l	100
28) Bromochloromethane	4.897	49	149554	50.244	ug/l	96
29) Tetrahydrofuran	5.001	42	472616	299.556	ug/l	100
30) Chloroform	5.092	83	327107	52.927	ug/l	100
31) Cyclohexane	5.464	56	287719	55.441	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	283794	53.809	ug/l	99
36) 1,1-Dichloropropene	5.690	75	251139	56.376	ug/l	99
37) Ethyl Acetate	4.708	43	281045	60.337	ug/l	98
38) Carbon Tetrachloride	5.678	117	242752	57.799	ug/l	98
39) Methylcyclohexane	7.378	83	266660	56.371	ug/l	95
40) Benzene	6.037	78	720086	56.311	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	160554	63.381	ug/l	96
42) 1,2-Dichloroethane	6.080	62	268048	52.724	ug/l	99
43) Isopropyl Acetate	6.336	43	451711	57.965	ug/l	99
44) Trichloroethene	7.122	130	190239	58.279	ug/l	97
45) 1,2-Dichloropropane	7.427	63	186389	55.934	ug/l	98
46) Dibromomethane	7.580	93	126220	55.051	ug/l	97
47) Bromodichloromethane	7.817	83	238108	56.223	ug/l	98
48) Methyl methacrylate	7.689	41	226606	59.212	ug/l	97
49) 1,4-Dioxane	7.671	88	86952	1102.494	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	1387524	300.847	ug/l	99
52) Toluene	8.720	92	455333	54.611	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	263566	57.851	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	289534	58.071	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	178894	56.690	ug/l	98
56) Ethyl methacrylate	9.116	69	298738	60.421	ug/l	96
57) 1,3-Dichloropropane	9.305	76	311709	55.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	766357	304.412	ug/l	98
59) 2-Hexanone	9.427	43	1046230	299.919	ug/l	98
60) Dibromochloromethane	9.518	129	177455	59.032	ug/l	99
61) 1,2-Dibromoethane	9.610	107	192349	58.617	ug/l	100
64) Tetrachloroethene	9.274	164	167559	57.897	ug/l	99
65) Chlorobenzene	10.079	112	479731	57.015	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	171638	59.323	ug/l	99
67) Ethyl Benzene	10.195	91	871320	57.163	ug/l	99
68) m/p-Xylenes	10.299	106	663355	113.928	ug/l	99
69) o-Xylene	10.640	106	324231	56.843	ug/l	99
70) Styrene	10.652	104	542831	59.615	ug/l	98
71) Bromoform	10.799	173	121342	61.663	ug/l #	100
73) Isopropylbenzene	10.963	105	825741	57.725	ug/l	100
74) N-amyl acetate	10.841	43	391260	60.834	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	268760	57.325	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	225021m	57.186	ug/l	
77) Bromobenzene	11.201	156	200906	56.682	ug/l	97
78) n-propylbenzene	11.305	91	930665	56.319	ug/l	99
79) 2-Chlorotoluene	11.366	91	584479	56.020	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	687193	57.456	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	74797	56.968	ug/l	92
82) 4-Chlorotoluene	11.457	91	682106	56.298	ug/l	99
83) tert-Butylbenzene	11.713	119	655905	58.400	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	694489	57.099	ug/l	100
85) sec-Butylbenzene	11.890	105	776052	56.797	ug/l	99
86) p-Isopropyltoluene	12.012	119	664982	58.366	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	373145	57.807	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	379465	56.285	ug/l	99
89) n-Butylbenzene	12.335	91	566622	56.923	ug/l	99
90) Hexachloroethane	12.542	117	102415	58.018	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	366327	56.665	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62709	64.079	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	223469	61.117	ug/l	100
94) Hexachlorobutadiene	13.725	225	89119	55.415	ug/l	99
95) Naphthalene	13.774	128	825173	63.513	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	224878	60.987	ug/l	98

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

