

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040217.D
 Acq On : 14 Feb 2024 14:01
 Operator : JC/MD
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Quant Time: Feb 15 00:01:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	74337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52261	47.256	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.520%		
35) Dibromofluoromethane	5.379	113	42435	49.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.620%		
50) Toluene-d8	8.647	98	155983	48.456	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.920%		
62) 4-Bromofluorobenzene	11.079	95	62073	47.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	17828	21.231	ug/l	97
3) Chloromethane	1.295	50	15827	18.278	ug/l	96
4) Vinyl Chloride	1.374	62	17581	19.213	ug/l	97
5) Bromomethane	1.605	94	12921	25.023	ug/l	96
6) Chloroethane	1.685	64	10762	18.648	ug/l	95
7) Trichlorofluoromethane	1.886	101	28640	19.489	ug/l	96
8) Diethyl Ether	2.130	74	10647	19.287	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	15731	19.957	ug/l	97
10) Methyl Iodide	2.453	142	18261	20.867	ug/l	89
11) Tert butyl alcohol	2.953	59	23087	107.174	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	15081	19.871	ug/l	91
13) Acrolein	2.233	56	21394	107.599	ug/l	98
14) Allyl chloride	2.666	41	25101	19.058	ug/l	97
15) Acrylonitrile	3.063	53	47849	99.274	ug/l	98
16) Acetone	2.374	43	44810	98.655	ug/l	93
17) Carbon Disulfide	2.514	76	37514	18.723	ug/l	100
18) Methyl Acetate	2.703	43	21286	17.482	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	53294	19.932	ug/l	98
20) Methylene Chloride	2.788	84	17024	19.005	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	15854	18.342	ug/l	87
22) Diisopropyl ether	3.758	45	51113	19.135	ug/l	94
23) Vinyl Acetate	3.721	43	242280	101.747	ug/l	97
24) 1,1-Dichloroethane	3.611	63	30218	19.421	ug/l	97
25) 2-Butanone	4.550	43	68710	96.776	ug/l	93
26) 2,2-Dichloropropane	4.465	77	23118	19.301	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	18976	19.244	ug/l	93
28) Bromochloromethane	4.898	49	12904	19.534	ug/l	91
29) Tetrahydrofuran	4.995	42	44270	95.708	ug/l	92
30) Chloroform	5.087	83	32608	19.383	ug/l	95
31) Cyclohexane	5.465	56	24392	18.491	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	27488	19.423	ug/l	99
36) 1,1-Dichloropropene	5.696	75	23650	19.618	ug/l	97
37) Ethyl Acetate	4.715	43	25268	18.838	ug/l	97
38) Carbon Tetrachloride	5.678	117	22073	19.258	ug/l	99
39) Methylcyclohexane	7.379	83	26980	19.258	ug/l	96
40) Benzene	6.038	78	65704	19.490	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	12926	18.178	ug/l #	83
42) 1,2-Dichloroethane	6.092	62	25133	19.074	ug/l	97
43) Isopropyl Acetate	6.336	43	41823	19.974	ug/l	97
44) Trichloroethene	7.123	130	18347	19.730	ug/l	94
45) 1,2-Dichloropropane	7.428	63	17607	20.066	ug/l	99
46) Dibromomethane	7.580	93	13271	20.536	ug/l	95
47) Bromodichloromethane	7.818	83	24989	20.069	ug/l	97
48) Methyl methacrylate	7.690	41	20954	19.557	ug/l	94
49) 1,4-Dioxane	7.653	88	9861	423.067	ug/l #	86
51) 4-Methyl-2-Pentanone	8.568	43	143034	100.051	ug/l	99
52) Toluene	8.714	92	43871	19.868	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	26513	18.987	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	28266	20.255	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	19012	20.187	ug/l	95
56) Ethyl methacrylate	9.116	69	28852	20.464	ug/l	95
57) 1,3-Dichloropropane	9.305	76	31217	20.307	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	63143	94.671	ug/l	97
59) 2-Hexanone	9.427	43	113304	99.963	ug/l	98
60) Dibromochloromethane	9.519	129	19163	19.971	ug/l	99
61) 1,2-Dibromoethane	9.610	107	20226	20.204	ug/l	100
64) Tetrachloroethene	9.269	164	16777	20.438	ug/l	93
65) Chlorobenzene	10.080	112	48126	19.686	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	17616	20.806	ug/l	98
67) Ethyl Benzene	10.189	91	87135	20.013	ug/l	98
68) m/p-Xylenes	10.299	106	66474	40.425	ug/l	97
69) o-Xylene	10.640	106	32848	20.556	ug/l	100
70) Styrene	10.653	104	54608	20.554	ug/l	98
71) Bromoform	10.799	173	14600	19.588	ug/l #	99
73) Isopropylbenzene	10.964	105	86435	19.415	ug/l	98
74) N-amyl acetate	10.842	43	37975	19.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	31414	19.640	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	25826m	20.176	ug/l	
77) Bromobenzene	11.195	156	21806	20.738	ug/l	91
78) n-propylbenzene	11.305	91	104993	19.479	ug/l	100
79) 2-Chlorotoluene	11.360	91	62109	19.082	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	73244	19.542	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8018	19.891	ug/l	91
82) 4-Chlorotoluene	11.451	91	72933	18.912	ug/l	98
83) tert-Butylbenzene	11.713	119	71718	19.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	74083	19.537	ug/l	97
85) sec-Butylbenzene	11.890	105	94088	19.923	ug/l	100
86) p-Isopropyltoluene	12.006	119	76520	19.767	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42151	20.231	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	42261	19.155	ug/l	99
89) n-Butylbenzene	12.329	91	72314	19.352	ug/l	96
90) Hexachloroethane	12.536	117	12064	19.757	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	40864	20.261	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7458	20.202	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	27201	19.699	ug/l	96
94) Hexachlorobutadiene	13.725	225	10631	19.291	ug/l	97
95) Naphthalene	13.774	128	86859	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	26534	20.160	ug/l	99

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

