

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040347.D
 Acq On : 20 Feb 2024 11:33
 Operator : JC/MD
 Sample : VX0220WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2024
 Supervised By : Mahesh Dadoda 02/21/2024

Quant Time: Feb 21 01:10:00 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	79297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61677	52.282	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.560%			
35) Dibromofluoromethane	5.385	113	46431	48.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.000%			
50) Toluene-d8	8.647	98	168618	47.090	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.180%			
62) 4-Bromofluorobenzene	11.079	95	65470	44.831	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18085	20.190	ug/l	99
3) Chloromethane	1.294	50	17443	18.884	ug/l	99
4) Vinyl Chloride	1.374	62	18437	18.888	ug/l	97
5) Bromomethane	1.605	94	12966	23.539	ug/l	94
6) Chloroethane	1.691	64	11484	18.655	ug/l	98
7) Trichlorofluoromethane	1.886	101	29457	18.792	ug/l	95
8) Diethyl Ether	2.130	74	10701	18.173	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	17684	21.031	ug/l	100
10) Methyl Iodide	2.453	142	18851	20.193	ug/l	94
11) Tert butyl alcohol	2.947	59	21696	94.417	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	15953	19.705	ug/l	98
13) Acrolein	2.233	56	22636	106.725	ug/l	99
14) Allyl chloride	2.666	41	29979	21.338	ug/l	99
15) Acrylonitrile	3.062	53	52221	101.568	ug/l	98
16) Acetone	2.373	43	54144	111.749	ug/l	96
17) Carbon Disulfide	2.514	76	34490	16.137	ug/l	98
18) Methyl Acetate	2.703	43	24811	19.102	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	59542	20.876	ug/l	98
20) Methylene Chloride	2.788	84	18862	19.803	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	16326	17.706	ug/l	97
22) Diisopropyl ether	3.757	45	63213	22.185	ug/l	96
23) Vinyl Acetate	3.715	43	275627	108.511	ug/l	100
24) 1,1-Dichloroethane	3.605	63	35369	21.310	ug/l	99
25) 2-Butanone	4.550	43	75191	99.280	ug/l	98
26) 2,2-Dichloropropane	4.477	77	26740	20.929	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	20772	19.748	ug/l	97
28) Bromochloromethane	4.897	49	14898	21.141	ug/l	99
29) Tetrahydrofuran	5.001	42	49113	99.537	ug/l	98
30) Chloroform	5.086	83	37362	20.820	ug/l	97
31) Cyclohexane	5.470	56	25897	18.404	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	30429	20.156	ug/l	99
36) 1,1-Dichloropropene	5.690	75	25801	19.241	ug/l	99
37) Ethyl Acetate	4.708	43	28975	19.419	ug/l	99
38) Carbon Tetrachloride	5.678	117	23587	18.500	ug/l	99
39) Methylcyclohexane	7.379	83	27232	17.475	ug/l	98
40) Benzene	6.037	78	72140	19.238	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	16684	21.093	ug/l	97
42) 1,2-Dichloroethane	6.086	62	29253	19.958	ug/l	99
43) Isopropyl Acetate	6.336	43	46181	19.827	ug/l	99
44) Trichloroethene	7.123	130	19032	18.400	ug/l	99
45) 1,2-Dichloropropane	7.427	63	20513	21.017	ug/l	95
46) Dibromomethane	7.580	93	14110	19.629	ug/l	99
47) Bromodichloromethane	7.818	83	27396	19.780	ug/l	98
48) Methyl methacrylate	7.690	41	22813	19.142	ug/l	91
49) 1,4-Dioxane	7.653	88	7967	307.284	ug/l #	99
51) 4-Methyl-2-Pentanone	8.567	43	156533	98.434	ug/l	98
52) Toluene	8.714	92	45949	18.707	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	27665	17.927	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	30801	19.843	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	19781	18.882	ug/l	91
56) Ethyl methacrylate	9.116	69	29763	18.978	ug/l	97
57) 1,3-Dichloropropane	9.305	76	34277	20.046	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	70496	95.020	ug/l	94
59) 2-Hexanone	9.427	43	123418	97.888	ug/l	97
60) Dibromochloromethane	9.519	129	19873	18.619	ug/l	99
61) 1,2-Dibromoethane	9.610	107	20262	18.196	ug/l	98
64) Tetrachloroethene	9.275	164	16898	18.986	ug/l	95
65) Chlorobenzene	10.079	112	50451	19.033	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	17417	18.972	ug/l	96
67) Ethyl Benzene	10.195	91	92965	19.692	ug/l	100
68) m/p-Xylenes	10.299	106	68260	38.284	ug/l	95
69) o-Xylene	10.640	106	34321	19.808	ug/l	99
70) Styrene	10.652	104	55373	19.222	ug/l	98
71) Bromoform	10.799	173	13692	17.216	ug/l #	99
73) Isopropylbenzene	10.963	105	90621	20.107	ug/l	99
74) N-amyl acetate	10.841	43	41091	21.271	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	31572	19.499	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	27093m	20.909	ug/l	
77) Bromobenzene	11.195	156	21423	20.126	ug/l	97
78) n-propylbenzene	11.305	91	112337	20.588	ug/l	97
79) 2-Chlorotoluene	11.360	91	65302	19.819	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	77387	20.396	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	7791	19.235	ug/l	98
82) 4-Chlorotoluene	11.451	91	77846	19.941	ug/l	98
83) tert-Butylbenzene	11.713	119	74267	19.965	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	77214	20.115	ug/l	100
85) sec-Butylbenzene	11.890	105	97976	20.494	ug/l	99
86) p-Isopropyltoluene	12.006	119	78012	19.907	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40815	19.352	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	42011	18.811	ug/l	98
89) n-Butylbenzene	12.329	91	75724	20.018	ug/l	95
90) Hexachloroethane	12.536	117	11649	18.846	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	40043	19.612	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6902	18.469	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	26716	19.113	ug/l	94
94) Hexachlorobutadiene	13.725	225	9954	17.843	ug/l	99
95) Naphthalene	13.774	128	84422	19.122	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	26406	19.818	ug/l	99

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

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