

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038978.D
 Acq On : 21 Nov 2023 12:43
 Operator : JC/MD
 Sample : VX1121WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2023
 Supervised By : Mahesh Dadoda 11/22/2023

Quant Time: Nov 22 03:17:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	112123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94072	52.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.140%			
35) Dibromofluoromethane	5.385	113	73078	48.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.640%			
50) Toluene-d8	8.647	98	271560	46.926	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.860%			
62) 4-Bromofluorobenzene	11.079	95	107058	46.214	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26068	19.926	ug/l	99
3) Chloromethane	1.294	50	29036	17.004	ug/l	99
4) Vinyl Chloride	1.374	62	29827	18.134	ug/l	99
5) Bromomethane	1.605	94	20906	30.741	ug/l	96
6) Chloroethane	1.691	64	18046	19.225	ug/l	99
7) Trichlorofluoromethane	1.886	101	42218	20.227	ug/l	96
8) Diethyl Ether	2.130	74	17487	19.236	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	25913	18.721	ug/l	95
10) Methyl Iodide	2.453	142	28982	17.203	ug/l	93
11) Tert butyl alcohol	2.947	59	55938	111.320	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	24534	17.556	ug/l	98
13) Acrolein	2.233	56	30346	114.146	ug/l	98
14) Allyl chloride	2.666	41	52362	18.714	ug/l	96
15) Acrylonitrile	3.062	53	104976	98.869	ug/l	100
16) Acetone	2.373	43	111706	116.146	ug/l	94
17) Carbon Disulfide	2.514	76	65380	15.103	ug/l	98
18) Methyl Acetate	2.697	43	99128	21.699	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	100064	20.358	ug/l	99
20) Methylene Chloride	2.788	84	31317	18.063	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	27536	17.858	ug/l	96
22) Diisopropyl ether	3.757	45	100401	19.560	ug/l	93
23) Vinyl Acetate	3.721	43	360738	97.583	ug/l	99
24) 1,1-Dichloroethane	3.605	63	55257	19.251	ug/l	98
25) 2-Butanone	4.550	43	159906	102.527	ug/l	96
26) 2,2-Dichloropropane	4.477	77	48050	19.299	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	33023	18.373	ug/l	99
28) Bromochloromethane	4.891	49	27443	19.913	ug/l	99
29) Tetrahydrofuran	4.995	42	98678	99.646	ug/l	98
30) Chloroform	5.093	83	55992	19.977	ug/l	99
31) Cyclohexane	5.464	56	46456	18.010	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	47727	19.659	ug/l	100
36) 1,1-Dichloropropene	5.696	75	40284	18.583	ug/l	99
37) Ethyl Acetate	4.708	43	55143	19.524	ug/l	98
38) Carbon Tetrachloride	5.672	117	39298	19.614	ug/l	95
39) Methylcyclohexane	7.379	83	48003	16.976	ug/l	96
40) Benzene	6.037	78	119644	18.660	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	29848	20.376	ug/l	94
42) 1,2-Dichloroethane	6.086	62	45150	21.254	ug/l	98
43) Isopropyl Acetate	6.336	43	88012	19.499	ug/l	98
44) Trichloroethene	7.123	130	30113	19.295	ug/l	96
45) 1,2-Dichloropropane	7.434	63	33108	19.188	ug/l	99
46) Dibromomethane	7.580	93	23328	20.274	ug/l	96
47) Bromodichloromethane	7.818	83	44609	19.533	ug/l	99
48) Methyl methacrylate	7.690	41	41011	18.727	ug/l	93
49) 1,4-Dioxane	7.659	88	17910	422.722	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	296444	102.772	ug/l	99
52) Toluene	8.720	92	75365	18.942	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	51341	18.917	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	52846	18.851	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	32777	19.743	ug/l	94
56) Ethyl methacrylate	9.116	69	52968	18.857	ug/l	98
57) 1,3-Dichloropropane	9.305	76	53930	19.642	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	130260	99.547	ug/l	94
59) 2-Hexanone	9.427	43	236415	102.256	ug/l	98
60) Dibromochloromethane	9.519	129	32873	19.474	ug/l	99
61) 1,2-Dibromoethane	9.610	107	34003	19.519	ug/l	98
64) Tetrachloroethene	9.275	164	23023	18.807	ug/l	92
65) Chlorobenzene	10.079	112	79780	18.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	29758	19.500	ug/l	98
67) Ethyl Benzene	10.195	91	147802	18.963	ug/l	99
68) m/p-Xylenes	10.299	106	109662	37.193	ug/l	96
69) o-Xylene	10.640	106	54118	18.550	ug/l	97
70) Styrene	10.653	104	90410	18.349	ug/l	98
71) Bromoform	10.799	173	23655	18.594	ug/l #	100
73) Isopropylbenzene	10.963	105	142980	18.566	ug/l	98
74) N-amyl acetate	10.841	43	71849	17.649	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	54766	18.217	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	47203m	19.140	ug/l	
77) Bromobenzene	11.195	156	32610	18.845	ug/l	97
78) n-propylbenzene	11.305	91	175198	18.482	ug/l	98
79) 2-Chlorotoluene	11.366	91	102240	18.174	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	123609	19.089	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	17780	15.992	ug/l	89
82) 4-Chlorotoluene	11.451	91	121199	18.684	ug/l	99
83) tert-Butylbenzene	11.713	119	119818	18.788	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	122139	18.635	ug/l	99
85) sec-Butylbenzene	11.890	105	155148	18.599	ug/l	99
86) p-Isopropyltoluene	12.006	119	124397	18.577	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	63847	18.841	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	65151	18.785	ug/l	98
89) n-Butylbenzene	12.329	91	121621	18.001	ug/l	97
90) Hexachloroethane	12.536	117	23189	17.341	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	62110	19.325	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13918	18.896	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	40377	18.747	ug/l	98
94) Hexachlorobutadiene	13.725	225	13598	17.828	ug/l	98
95) Naphthalene	13.774	128	149048	18.581	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	39939	19.562	ug/l	99

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

