

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033125.D
 Acq On : 30 Nov 2022 11:36
 Operator : JC/MD
 Sample : VX1130WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1130WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2022
 Supervised By : Mahesh Dadoda 12/01/2022

Quant Time: Dec 01 00:18:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	125901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59044	47.860	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.720%		
35) Dibromofluoromethane	5.385	113	50163	45.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.000%		
50) Toluene-d8	8.647	98	148254	44.454	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.900%#		
62) 4-Bromofluorobenzene	11.079	95	64232	44.353	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	15660	16.281	ug/l	99
3) Chloromethane	1.295	50	16691	16.074	ug/l	100
4) Vinyl Chloride	1.374	62	19657	17.001	ug/l	96
5) Bromomethane	1.618	94	14063	16.403	ug/l	89
6) Chloroethane	1.691	64	15941	16.936	ug/l	95
7) Trichlorofluoromethane	1.892	101	41642	18.557	ug/l	98
8) Diethyl Ether	2.136	74	14363	20.330	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	22965	19.471	ug/l	97
10) Methyl Iodide	2.453	142	17235	12.765	ug/l	99
11) Tert butyl alcohol	3.008	59	20166m	103.757	ug/l	
12) 1,1-Dichloroethene	2.325	96	20273	18.452	ug/l	97
13) Acrolein	2.240	56	20802	93.178	ug/l	99
14) Allyl chloride	2.666	41	31574	17.800	ug/l	98
15) Acrylonitrile	3.069	53	55012	100.069	ug/l	99
16) Acetone	2.392	43	53543	93.508	ug/l	97
17) Carbon Disulfide	2.514	76	49143	16.190	ug/l	98
18) Methyl Acetate	2.709	43	32088	20.244	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	74301	19.500	ug/l	99
20) Methylene Chloride	2.788	84	23432	18.859	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	21885	17.413	ug/l	96
22) Diisopropyl ether	3.758	45	74822	19.372	ug/l #	87
23) Vinyl Acetate	3.721	43	294371	97.366	ug/l	99
24) 1,1-Dichloroethane	3.611	63	41364	18.715	ug/l	99
25) 2-Butanone	4.562	43	78197	99.037	ug/l	99
26) 2,2-Dichloropropane	4.477	77	33720	18.974	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	27232	19.071	ug/l	99
28) Bromochloromethane	4.898	49	19569	20.150	ug/l	100
29) Tetrahydrofuran	5.007	42	48832	97.466	ug/l	99
30) Chloroform	5.093	83	48231	19.484	ug/l	99
31) Cyclohexane	5.471	56	35765	18.003	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	42412	19.131	ug/l	99
36) 1,1-Dichloropropene	5.696	75	32766	18.587	ug/l	100
37) Ethyl Acetate	4.715	43	31007	20.161	ug/l #	92
38) Carbon Tetrachloride	5.672	117	37631	19.243	ug/l	94
39) Methylcyclohexane	7.379	83	36953	18.372	ug/l	97
40) Benzene	6.038	78	94328	19.085	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17238	19.920	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39799	19.999	ug/l	100
43) Isopropyl Acetate	6.336	43	51657	20.310	ug/l	99
44) Trichloroethene	7.129	130	26264	18.937	ug/l	96
45) 1,2-Dichloropropane	7.428	63	24315	19.907	ug/l	98
46) Dibromomethane	7.580	93	18638	19.556	ug/l	100
47) Bromodichloromethane	7.818	83	37440	20.330	ug/l	97
48) Methyl methacrylate	7.696	41	25791	19.700	ug/l	99
49) 1,4-Dioxane	7.708	88	10629	441.039	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	159984	101.934	ug/l	99
52) Toluene	8.720	92	61122	18.797	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36363	19.336	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	39014	19.651	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25744	19.446	ug/l	97
56) Ethyl methacrylate	9.116	69	35938	19.702	ug/l	99
57) 1,3-Dichloropropane	9.305	76	41401	19.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	73476	84.829	ug/l	100
59) 2-Hexanone	9.427	43	118333	102.064	ug/l	99
60) Dibromochloromethane	9.519	129	29214	20.496	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27222	19.481	ug/l	100
64) Tetrachloroethene	9.275	164	22805	18.511	ug/l	96
65) Chlorobenzene	10.080	112	67811	19.543	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	26275	20.666	ug/l	99
67) Ethyl Benzene	10.195	91	120596	19.592	ug/l	98
68) m/p-Xylenes	10.299	106	91681	38.037	ug/l	98
69) o-Xylene	10.640	106	44259	18.978	ug/l	96
70) Styrene	10.653	104	75347	19.748	ug/l	100
71) Bromoform	10.799	173	20858	21.397	ug/l #	97
73) Isopropylbenzene	10.964	105	121824	19.314	ug/l	99
74) N-amyl acetate	10.842	43	42498	19.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	37998	19.960	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	34790m	20.812	ug/l	
77) Bromobenzene	11.201	156	29461	18.992	ug/l	99
78) n-propylbenzene	11.305	91	140288	19.453	ug/l	100
79) 2-Chlorotoluene	11.366	91	83602	19.087	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	103665	19.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10370	20.164	ug/l	94
82) 4-Chlorotoluene	11.451	91	98711	19.231	ug/l	100
83) tert-Butylbenzene	11.713	119	102959	19.520	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	102461	19.393	ug/l	99
85) sec-Butylbenzene	11.890	105	123808	19.620	ug/l	100
86) p-Isopropyltoluene	12.012	119	105759	19.782	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	55116	18.943	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	56774	19.053	ug/l	100
89) n-Butylbenzene	12.335	91	89550	19.443	ug/l	98
90) Hexachloroethane	12.536	117	18128	20.639	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	54543	19.271	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8393	22.096	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	34195	19.599	ug/l	97
94) Hexachlorobutadiene	13.725	225	14728	19.134	ug/l	97
95) Naphthalene	13.774	128	110482	19.574	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	33977	19.420	ug/l	99

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

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