

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101322\
 Data File : VX032103.D
 Acq On : 13 Oct 2022 12:13
 Operator : JC/MD
 Sample : VX1013WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1013WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/14/2022
 Supervised By : Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 07:50:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	77517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	117449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92142	57.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.120%			
35) Dibromofluoromethane	5.379	113	69505	52.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.560%			
50) Toluene-d8	8.647	98	242617	50.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.440%			
62) 4-Bromofluorobenzene	11.079	95	95220	56.303	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21228	18.401	ug/l	99
3) Chloromethane	1.288	50	18910	15.653	ug/l	100
4) Vinyl Chloride	1.374	62	22264	15.770	ug/l	99
5) Bromomethane	1.611	94	16163	15.175	ug/l	99
6) Chloroethane	1.685	64	13533	11.265	ug/l	96
7) Trichlorofluoromethane	1.886	101	36811	14.506	ug/l	94
8) Diethyl Ether	2.130	74	14075	16.271	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	19835	15.464	ug/l	92
10) Methyl Iodide	2.447	142	20236	17.405	ug/l	94
11) Tert butyl alcohol	2.983	59	22941	115.179	ug/l	99
12) 1,1-Dichloroethene	2.319	96	16897	14.311	ug/l	92
13) Acrolein	2.233	56	7575	53.718	ug/l	97
14) Allyl chloride	2.666	41	33625	20.014	ug/l	95
15) Acrylonitrile	3.062	53	63291	99.679	ug/l	97
16) Acetone	2.386	43	54773	100.671	ug/l	98
17) Carbon Disulfide	2.508	76	38751	15.283	ug/l	99
18) Methyl Acetate	2.703	43	38625	21.516	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	81166	20.485	ug/l	98
20) Methylene Chloride	2.788	84	24860	17.388	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	22880	17.498	ug/l	90
22) Diisopropyl ether	3.757	45	77558	20.535	ug/l	89
23) Vinyl Acetate	3.721	43	308035	109.110	ug/l	99
24) 1,1-Dichloroethane	3.611	63	43312	19.131	ug/l	99
25) 2-Butanone	4.556	43	87573	102.964	ug/l	99
26) 2,2-Dichloropropane	4.471	77	32809	20.175	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	28016	17.907	ug/l	96
28) Bromochloromethane	4.897	49	21794	22.490	ug/l	93
29) Tetrahydrofuran	5.007	42	54342	99.024	ug/l	97
30) Chloroform	5.092	83	49874	19.777	ug/l	94
31) Cyclohexane	5.464	56	34303	17.937	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	43093	20.109	ug/l	98
36) 1,1-Dichloropropene	5.690	75	32944	18.687	ug/l	100
37) Ethyl Acetate	4.714	43	34793	20.963	ug/l	100
38) Carbon Tetrachloride	5.672	117	35601	19.750	ug/l	98
39) Methylcyclohexane	7.379	83	38438	18.279	ug/l	95
40) Benzene	6.037	78	96751	18.742	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19129	22.164	ug/l	97
42) 1,2-Dichloroethane	6.086	62	41909	22.279	ug/l	98
43) Isopropyl Acetate	6.336	43	56780	22.548	ug/l	99
44) Trichloroethene	7.123	130	26419	17.454	ug/l	99
45) 1,2-Dichloropropane	7.427	63	25296	19.939	ug/l	100
46) Dibromomethane	7.580	93	19714	20.051	ug/l	94
47) Bromodichloromethane	7.818	83	36615	21.558	ug/l	99
48) Methyl methacrylate	7.690	41	27889	23.177	ug/l	96
49) 1,4-Dioxane	7.683	88	11143	365.502	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	182112	109.130	ug/l	99
52) Toluene	8.720	92	64198	19.020	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	35953	20.397	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	39126	21.271	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27113	19.032	ug/l	97
56) Ethyl methacrylate	9.116	69	39114	21.420	ug/l	98
57) 1,3-Dichloropropane	9.305	76	45357	19.813	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	97045	102.954	ug/l	95
59) 2-Hexanone	9.433	43	134339	109.180	ug/l	100
60) Dibromochloromethane	9.518	129	26296	20.170	ug/l	97
61) 1,2-Dibromoethane	9.610	107	28643	19.994	ug/l	99
64) Tetrachloroethene	9.275	164	25248	17.585	ug/l	97
65) Chlorobenzene	10.079	112	69594	18.061	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	26170	19.628	ug/l	100
67) Ethyl Benzene	10.195	91	123623	18.964	ug/l	100
68) m/p-Xylenes	10.299	106	94844	36.612	ug/l	95
69) o-Xylene	10.640	106	46794	18.585	ug/l	94
70) Styrene	10.652	104	77112	19.158	ug/l	98
71) Bromoform	10.799	173	17934	20.546	ug/l #	99
73) Isopropylbenzene	10.963	105	128740	19.043	ug/l	97
74) N-amyl acetate	10.841	43	46524	22.535	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	40439	18.826	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	38347m	20.874	ug/l	
77) Bromobenzene	11.195	156	30105	18.077	ug/l	99
78) n-propylbenzene	11.305	91	150636	19.590	ug/l	97
79) 2-Chlorotoluene	11.366	91	88871	19.205	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	109030	19.445	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8862	19.482	ug/l #	72
82) 4-Chlorotoluene	11.457	91	105167	19.844	ug/l	96
83) tert-Butylbenzene	11.713	119	106891	19.261	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	109535	19.230	ug/l	98
85) sec-Butylbenzene	11.890	105	136743	19.903	ug/l	99
86) p-Isopropyltoluene	12.012	119	114789	19.844	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	57479	18.127	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	58567	17.945	ug/l	98
89) n-Butylbenzene	12.335	91	100851	20.819	ug/l	98
90) Hexachloroethane	12.536	117	16759	19.051	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	57323	18.183	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8884	22.595	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	36541	19.097	ug/l	99
94) Hexachlorobutadiene	13.725	225	15029	19.420	ug/l	98
95) Naphthalene	13.774	128	125207	19.096	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	38419	19.795	ug/l	96

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

