

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101222\
 Data File : VX032085.D
 Acq On : 12 Oct 2022 15:32
 Operator : JC/MD
 Sample : VX1012WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 09:15:34 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	5.556	168	66184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	101828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76519	55.982	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.960%			
35) Dibromofluoromethane	5.385	113	58539	50.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.647	98	208109	50.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	78357	53.439	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	19175	19.468	ug/l	93
3) Chloromethane	1.288	50	18240	17.684	ug/l	95
4) Vinyl Chloride	1.374	62	20947	17.378	ug/l	92
5) Bromomethane	1.612	94	16265	18.571	ug/l	96
6) Chloroethane	1.685	64	17547	17.107	ug/l	97
7) Trichlorofluoromethane	1.886	101	40443	18.666	ug/l	99
8) Diethyl Ether	2.130	74	13495	18.272	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	19685	17.975	ug/l	93
10) Methyl Iodide	2.453	142	15334	15.757	ug/l	97
11) Tert butyl alcohol	2.989	59	19427	114.238	ug/l	100
12) 1,1-Dichloroethene	2.319	96	17575	17.434	ug/l	94
13) Acrolein	2.240	56	8130	71.802	ug/l	98
14) Allyl chloride	2.666	41	28402	19.800	ug/l	97
15) Acrylonitrile	3.069	53	55515	102.404	ug/l	97
16) Acetone	2.386	43	48090	103.522	ug/l	97
17) Carbon Disulfide	2.514	76	33661	15.549	ug/l	98
18) Methyl Acetate	2.703	43	33375	21.775	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	65547	19.376	ug/l	98
20) Methylene Chloride	2.788	84	21970	17.997	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	19416	17.392	ug/l	98
22) Diisopropyl ether	3.758	45	67169	20.830	ug/l #	85
23) Vinyl Acetate	3.721	43	256203	106.290	ug/l	100
24) 1,1-Dichloroethane	3.611	63	37790	19.550	ug/l	98
25) 2-Butanone	4.562	43	75885	104.499	ug/l	98
26) 2,2-Dichloropropane	4.483	77	25568	18.415	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	23561	17.638	ug/l	97
28) Bromochloromethane	4.898	49	16836	20.348	ug/l	91
29) Tetrahydrofuran	5.007	42	48001	102.447	ug/l	97
30) Chloroform	5.099	83	44450	20.644	ug/l	97
31) Cyclohexane	5.471	56	30798	18.861	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	36846	20.138	ug/l	97
36) 1,1-Dichloropropene	5.696	75	29550	19.333	ug/l	99
37) Ethyl Acetate	4.721	43	30282	21.044	ug/l	99
38) Carbon Tetrachloride	5.684	117	31055	19.871	ug/l	97
39) Methylcyclohexane	7.385	83	33717	18.494	ug/l	99
40) Benzene	6.038	78	86086	19.234	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	16735	22.365	ug/l	96
42) 1,2-Dichloroethane	6.086	62	36613	22.449	ug/l	99
43) Isopropyl Acetate	6.342	43	47929	21.953	ug/l	98
44) Trichloroethene	7.129	130	23137	17.630	ug/l	89
45) 1,2-Dichloropropane	7.434	63	22454	20.414	ug/l	96
46) Dibromomethane	7.586	93	16980	19.920	ug/l	95
47) Bromodichloromethane	7.824	83	31709	21.533	ug/l	99
48) Methyl methacrylate	7.696	41	24334	23.325	ug/l	98
49) 1,4-Dioxane	7.696	88	9928	377.658	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	162150	112.074	ug/l	99
52) Toluene	8.720	92	56241	19.219	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	28134	18.527	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	31920	20.016	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	23441	18.979	ug/l	98
56) Ethyl methacrylate	9.116	69	32295	20.399	ug/l	96
57) 1,3-Dichloropropane	9.311	76	39411	19.857	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	87853	107.500	ug/l	97
59) 2-Hexanone	9.433	43	121200	113.612	ug/l	98
60) Dibromochloromethane	9.525	129	22660	20.047	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23991	19.315	ug/l	99
64) Tetrachloroethene	9.275	164	22863	18.111	ug/l	96
65) Chlorobenzene	10.080	112	60667	17.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	22033	18.795	ug/l	98
67) Ethyl Benzene	10.195	91	107952	18.835	ug/l	99
68) m/p-Xylenes	10.299	106	82845	36.373	ug/l	96
69) o-Xylene	10.640	106	40192	18.155	ug/l	98
70) Styrene	10.659	104	66942	18.915	ug/l	99
71) Bromoform	10.799	173	14817	19.307	ug/l #	99
73) Isopropylbenzene	10.964	105	109499	19.274	ug/l	98
74) N-amyl acetate	10.842	43	38437	22.156	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	35954	19.919	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	32361m	20.963	ug/l	
77) Bromobenzene	11.195	156	25918	18.521	ug/l	99
78) n-propylbenzene	11.305	91	126102	19.515	ug/l	98
79) 2-Chlorotoluene	11.366	91	77346	19.891	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	94477	20.052	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7207	18.970	ug/l #	72
82) 4-Chlorotoluene	11.457	91	88692	19.916	ug/l	97
83) tert-Butylbenzene	11.713	119	88159	18.905	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	92629	19.352	ug/l	97
85) sec-Butylbenzene	11.890	105	115004	19.920	ug/l	99
86) p-Isopropyltoluene	12.012	119	95641	19.675	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	49071	18.417	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	49705	18.123	ug/l	98
89) n-Butylbenzene	12.335	91	82905	20.367	ug/l	97
90) Hexachloroethane	12.543	117	14335	19.368	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	50097	18.911	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7704	23.317	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	29198	18.159	ug/l	97
94) Hexachlorobutadiene	13.725	225	12742	19.594	ug/l	96
95) Naphthalene	13.774	128	104328	18.936	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	31056	19.042	ug/l	97

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

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