

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090922\
 Data File : VX031270.D
 Acq On : 09 Sep 2022 20:26
 Operator : JC/MD
 Sample : VX0909WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0909WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2022
 Supervised By : Mahesh Dadoda 09/12/2022

Quant Time: Sep 12 01:01:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	27503	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	43723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	46302	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	30087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37865	58.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.300%			
35) Dibromofluoromethane	5.397	113	23180	48.650	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.300%			
50) Toluene-d8	8.653	98	76171	44.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.000%			
62) 4-Bromofluorobenzene	11.079	95	31874	50.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	8960	20.272	ug/l	94
3) Chloromethane	1.288	50	4667	13.741	ug/l	97
4) Vinyl Chloride	1.368	62	6961	17.362	ug/l	93
5) Bromomethane	1.605	94	5801	22.646	ug/l	89
6) Chloroethane	1.685	64	4531	20.146	ug/l #	77
7) Trichlorofluoromethane	1.886	101	21120	24.175	ug/l	99
8) Diethyl Ether	2.136	74	5200	20.956	ug/l	68
9) 1,1,2-Trichlorotrifluo...	2.325	101	8542	17.290	ug/l #	94
10) Methyl Iodide	2.453	142	9102	14.899	ug/l #	66
11) Tert butyl alcohol	2.983	59	15127	115.493	ug/l	96
12) 1,1-Dichloroethene	2.319	96	7181	15.465	ug/l #	74
13) Acrolein	2.239	56	7048	77.937	ug/l	99
14) Allyl chloride	2.666	41	8744	14.017	ug/l #	48
15) Acrylonitrile	3.069	53	19768	79.729	ug/l	96
16) Acetone	2.386	43	22458	99.610	ug/l #	86
17) Carbon Disulfide	2.508	76	18742	16.417	ug/l #	94
18) Methyl Acetate	2.709	43	8907	15.261	ug/l #	76
19) Methyl tert-butyl Ether	3.117	73	32277	19.570	ug/l #	86
20) Methylene Chloride	2.788	84	8446	15.939	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	8104	15.751	ug/l	86
22) Diisopropyl ether	3.764	45	18321	13.987	ug/l #	86
23) Vinyl Acetate	3.727	43	87523	79.604	ug/l #	89
24) 1,1-Dichloroethane	3.617	63	15236	17.536	ug/l	98
25) 2-Butanone	4.562	43	26455	79.217	ug/l #	84
26) 2,2-Dichloropropane	4.477	77	15064	19.376	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	10286	17.413	ug/l	96
28) Bromochloromethane	4.891	49	4877	15.480	ug/l #	69
29) Tetrahydrofuran	5.007	42	13849	70.240	ug/l #	59
30) Chloroform	5.099	83	20442	19.890	ug/l	98
31) Cyclohexane	5.477	56	9831	13.511	ug/l #	64
32) 1,1,1-Trichloroethane	5.391	97	21650	23.373	ug/l	98
36) 1,1-Dichloropropene	5.690	75	12602	17.661	ug/l	96
37) Ethyl Acetate	4.727	43	9545	15.079	ug/l #	91
38) Carbon Tetrachloride	5.684	117	19014	25.327	ug/l	99
39) Methylcyclohexane	7.385	83	13539	16.614	ug/l	93
40) Benzene	6.044	78	33230	17.143	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	5140	15.529	ug/l #	78
42) 1,2-Dichloroethane	6.092	62	19703	24.827	ug/l	90
43) Isopropyl Acetate	6.348	43	16682	16.715	ug/l #	92
44) Trichloroethene	7.135	130	10037	18.421	ug/l	97
45) 1,2-Dichloropropane	7.428	63	7018	14.732	ug/l #	85
46) Dibromomethane	7.580	93	7875	20.848	ug/l	86
47) Bromodichloromethane	7.824	83	16799	22.862	ug/l	94
48) Methyl methacrylate	7.696	41	8576	17.646	ug/l #	77
49) 1,4-Dioxane	7.677	88	5337	397.800	ug/l	87
51) 4-Methyl-2-Pentanone	8.574	43	52560	86.004	ug/l	92
52) Toluene	8.720	92	21269	16.636	ug/l	91
53) t-1,3-Dichloropropene	8.982	75	15307	19.997	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	14816	18.029	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	9148	17.404	ug/l	92
56) Ethyl methacrylate	9.122	69	13919	17.974	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	15346	16.897	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	29453	80.699	ug/l #	80
59) 2-Hexanone	9.433	43	42061	91.010	ug/l	99
60) Dibromochloromethane	9.525	129	12243	22.592	ug/l	100
61) 1,2-Dibromoethane	9.610	107	10412	17.825	ug/l	94
64) Tetrachloroethene	9.275	164	9433	19.570	ug/l	97
65) Chlorobenzene	10.079	112	25512	18.714	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	11425	21.456	ug/l	91
67) Ethyl Benzene	10.195	91	46672	18.892	ug/l	91
68) m/p-Xylenes	10.305	106	34352	37.511	ug/l	82
69) o-Xylene	10.640	106	16520	18.075	ug/l	77
70) Styrene	10.659	104	27830	18.988	ug/l #	89
71) Bromoform	10.805	173	8330	23.479	ug/l #	97
73) Isopropylbenzene	10.963	105	47604	18.221	ug/l	99
74) N-amyl acetate	10.842	43	13280	15.966	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	13204	16.190	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	14303m	17.419	ug/l	
77) Bromobenzene	11.201	156	10243	18.039	ug/l	95
78) n-propylbenzene	11.305	91	53063	17.818	ug/l	98
79) 2-Chlorotoluene	11.366	91	34178	18.524	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	42234	19.228	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.018	75	4417	17.347	ug/l #	80
82) 4-Chlorotoluene	11.457	91	40149	18.808	ug/l	90
83) tert-Butylbenzene	11.713	119	40759	18.824	ug/l	87
84) 1,2,4-Trimethylbenzene	11.756	105	42185	19.756	ug/l	91
85) sec-Butylbenzene	11.890	105	48255	17.995	ug/l	100
86) p-Isopropyltoluene	12.012	119	41887	19.335	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	19053	18.054	ug/l	92
88) 1,4-Dichlorobenzene	12.043	146	19499	17.967	ug/l	94
89) n-Butylbenzene	12.335	91	32827	17.575	ug/l	98
90) Hexachloroethane	12.542	117	7591	20.393	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	19140	18.494	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4667	20.836	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	11813	19.519	ug/l	95
94) Hexachlorobutadiene	13.725	225	5714	22.234	ug/l	97
95) Naphthalene	13.774	128	46591	19.652	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	12449	20.204	ug/l	95

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

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