

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028585.D
 Acq On : 10 May 2022 11:15
 Operator : JC/MD
 Sample : VX0510WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 11 06:56:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	344209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	534063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	490249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	258365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	205586	45.807	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.620%		
35) Dibromofluoromethane	5.385	113	191919	51.242	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.480%		
50) Toluene-d8	8.647	98	660866	45.941	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.880%		
62) 4-Bromofluorobenzene	11.079	95	257465	46.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51961	23.385	ug/l	97
3) Chloromethane	1.294	50	47622	19.803	ug/l	96
4) Vinyl Chloride	1.374	62	60133	17.329	ug/l	99
5) Bromomethane	1.599	94	77418	20.156	ug/l	99
6) Chloroethane	1.684	64	46462	16.540	ug/l	98
7) Trichlorofluoromethane	1.886	101	121236	15.844	ug/l	99
8) Diethyl Ether	2.130	74	46381	18.191	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	67374	24.171	ug/l	99
10) Methyl Iodide	2.453	142	75546	22.978	ug/l	97
11) Tert butyl alcohol	2.959	59	91619	100.661	ug/l	98
12) 1,1-Dichloroethene	2.318	96	57790	21.846	ug/l	92
13) Acrolein	2.233	56	41164	74.838	ug/l	99
14) Allyl chloride	2.666	41	84333	18.999	ug/l	93
15) Acrylonitrile	3.062	53	195585	106.937	ug/l	100
16) Acetone	2.373	43	163311	118.400	ug/l	95
17) Carbon Disulfide	2.514	76	100776	14.146	ug/l	99
18) Methyl Acetate	2.703	43	84757	21.240	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	232520	21.079	ug/l	98
20) Methylene Chloride	2.788	84	70591	21.198	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	65402	18.179	ug/l	89
22) Diisopropyl ether	3.757	45	202978	20.077	ug/l #	80
23) Vinyl Acetate	3.721	43	861627	97.552	ug/l	99
24) 1,1-Dichloroethane	3.611	63	120920	20.256	ug/l	99
25) 2-Butanone	4.550	43	264486	99.505	ug/l	99
26) 2,2-Dichloropropane	4.477	77	101697	17.448	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	84408	19.677	ug/l	93
28) Bromochloromethane	4.897	49	47130	18.402	ug/l	88
29) Tetrahydrofuran	5.001	42	164473	94.900	ug/l	99
30) Chloroform	5.092	83	141716	19.768	ug/l	99
31) Cyclohexane	5.470	56	88153	16.122	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	122137	18.814	ug/l	98
36) 1,1-Dichloropropene	5.696	75	89352	18.289	ug/l	97
37) Ethyl Acetate	4.708	43	100108	20.194	ug/l	100
38) Carbon Tetrachloride	5.678	117	103542	18.774	ug/l	97
39) Methylcyclohexane	7.379	83	98752	16.020	ug/l	96
40) Benzene	6.037	78	281705	19.699	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52319	20.456	ug/l	98
42) 1,2-Dichloroethane	6.086	62	104157	19.621	ug/l	100
43) Isopropyl Acetate	6.342	43	158321	19.624	ug/l	98
44) Trichloroethene	7.122	130	84048	20.267	ug/l	98
45) 1,2-Dichloropropane	7.433	63	73230	20.920	ug/l	93
46) Dibromomethane	7.580	93	55426	20.185	ug/l	97
47) Bromodichloromethane	7.824	83	107436	20.357	ug/l	97
48) Methyl methacrylate	7.696	41	73922	19.957	ug/l	93
49) 1,4-Dioxane	7.659	88	41423	418.031	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	541595	104.611	ug/l	97
52) Toluene	8.720	92	189007	19.024	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	104409	18.615	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	114069	18.939	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	86402	21.404	ug/l	97
56) Ethyl methacrylate	9.116	69	121186	20.710	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	133787	20.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	273406	99.583	ug/l	93
59) 2-Hexanone	9.433	43	418349	104.316	ug/l	95
60) Dibromochloromethane	9.525	129	89689	20.380	ug/l	95
61) 1,2-Dibromoethane	9.610	107	87922	19.853	ug/l	99
64) Tetrachloroethene	9.275	164	80559	21.037	ug/l	96
65) Chlorobenzene	10.079	112	220490	21.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	85404	21.934	ug/l	99
67) Ethyl Benzene	10.195	91	369656	21.091	ug/l	98
68) m/p-Xylenes	10.305	106	298198	41.803	ug/l	95
69) o-Xylene	10.640	106	148975	20.947	ug/l	97
70) Styrene	10.658	104	247507	21.481	ug/l	99
71) Bromoform	10.799	173	65278	20.444	ug/l #	100
73) Isopropylbenzene	10.963	105	387614	21.827	ug/l	99
74) N-amyl acetate	10.847	43	136940	22.310	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	134916	23.412	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	118819m	23.368	ug/l	
77) Bromobenzene	11.201	156	103182	22.310	ug/l	89
78) n-propylbenzene	11.305	91	429661	21.820	ug/l	97
79) 2-Chlorotoluene	11.366	91	266154	21.740	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	323516	21.461	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	33306	19.465	ug/l	88
82) 4-Chlorotoluene	11.457	91	302330	21.438	ug/l	95
83) tert-Butylbenzene	11.713	119	330486	21.470	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	322312	21.510	ug/l	98
85) sec-Butylbenzene	11.890	105	396044	21.326	ug/l	99
86) p-Isopropyltoluene	12.012	119	336390	20.997	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	192178	22.114	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	193304	21.185	ug/l	99
89) n-Butylbenzene	12.335	91	267761	20.354	ug/l	97
90) Hexachloroethane	12.542	117	54911	20.171	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	194149	22.489	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27768	21.667	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	116694	22.727	ug/l	100
94) Hexachlorobutadiene	13.725	225	50689	22.123	ug/l	95
95) Naphthalene	13.780	128	407402	23.818	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	118506	23.513	ug/l	96

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

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