

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028369.D
 Acq On : 27 Apr 2022 11:34
 Operator : JC/MD
 Sample : VX0427WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 27 15:52:38 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	5.550	168	339039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	540858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	515875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	213541	48.305	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.620%		
35) Dibromofluoromethane	5.391	113	190199	50.145	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.280%		
50) Toluene-d8	8.647	98	701614	48.161	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.320%		
62) 4-Bromofluorobenzene	11.079	95	260952	46.847	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56427	25.782	ug/l	99
3) Chloromethane	1.294	50	54080	23.219	ug/l	99
4) Vinyl Chloride	1.374	62	66220	19.374	ug/l	99
5) Bromomethane	1.599	94	81096	22.056	ug/l	99
6) Chloroethane	1.684	64	46731	16.962	ug/l	98
7) Trichlorofluoromethane	1.886	101	122745	16.286	ug/l	99
8) Diethyl Ether	2.136	74	46044	18.361	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	62223	22.663	ug/l	97
10) Methyl Iodide	2.453	142	74580	23.018	ug/l	97
11) Tert butyl alcohol	2.959	59	77540	85.036	ug/l	96
12) 1,1-Dichloroethene	2.319	96	56384	21.640	ug/l	96
13) Acrolein	2.233	56	46466	85.766	ug/l	100
14) Allyl chloride	2.666	41	78692	17.999	ug/l	91
15) Acrylonitrile	3.062	53	169212	93.928	ug/l	100
16) Acetone	2.379	43	143290	105.316	ug/l	92
17) Carbon Disulfide	2.514	76	113238	16.138	ug/l	99
18) Methyl Acetate	2.703	43	75409	19.186	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	207463	19.094	ug/l	100
20) Methylene Chloride	2.788	84	66757	20.352	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	64826	18.294	ug/l	90
22) Diisopropyl ether	3.757	45	184024	18.480	ug/l #	77
23) Vinyl Acetate	3.721	43	786113	90.359	ug/l	100
24) 1,1-Dichloroethane	3.611	63	113077	19.231	ug/l	98
25) 2-Butanone	4.556	43	226640	86.567	ug/l	100
26) 2,2-Dichloropropane	4.477	77	94910	16.532	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	79908	18.912	ug/l	91
28) Bromochloromethane	4.897	49	52275	20.722	ug/l	91
29) Tetrahydrofuran	5.007	42	144618	84.716	ug/l	99
30) Chloroform	5.092	83	129483	18.337	ug/l	93
31) Cyclohexane	5.470	56	92595	17.192	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	112473	17.590	ug/l	99
36) 1,1-Dichloropropene	5.696	75	88778	17.944	ug/l	97
37) Ethyl Acetate	4.714	43	85405	17.012	ug/l	99
38) Carbon Tetrachloride	5.678	117	98457	17.628	ug/l	98
39) Methylcyclohexane	7.379	83	103254	16.540	ug/l	94
40) Benzene	6.037	78	269602	18.615	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47236	18.237	ug/l	98
42) 1,2-Dichloroethane	6.086	62	97352	18.108	ug/l	99
43) Isopropyl Acetate	6.342	43	142189	17.403	ug/l	98
44) Trichloroethene	7.129	130	79077	18.829	ug/l	99
45) 1,2-Dichloropropane	7.433	63	65267	18.411	ug/l	94
46) Dibromomethane	7.580	93	51947	18.680	ug/l	99
47) Bromodichloromethane	7.824	83	95158	17.804	ug/l	99
48) Methyl methacrylate	7.696	41	65608	17.490	ug/l #	93
49) 1,4-Dioxane	7.659	88	33856	337.374	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	467046	89.078	ug/l	97
52) Toluene	8.720	92	184487	18.335	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	94799	16.689	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	106365	17.438	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	76659	18.752	ug/l	98
56) Ethyl methacrylate	9.116	69	108669	18.338	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	123570	18.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	261178	93.934	ug/l	94
59) 2-Hexanone	9.433	43	359188	88.439	ug/l	94
60) Dibromochloromethane	9.525	129	76020	17.057	ug/l	96
61) 1,2-Dibromoethane	9.610	107	82099	18.305	ug/l	99
64) Tetrachloroethene	9.275	164	79240	19.665	ug/l	97
65) Chlorobenzene	10.079	112	209702	19.066	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	77481	18.910	ug/l	97
67) Ethyl Benzene	10.195	91	355308	19.265	ug/l	98
68) m/p-Xylenes	10.305	106	288651	38.455	ug/l	96
69) o-Xylene	10.646	106	142473	19.037	ug/l	95
70) Styrene	10.658	104	231518	19.095	ug/l	99
71) Bromoform	10.799	173	55270	17.148	ug/l #	98
73) Isopropylbenzene	10.963	105	372837	20.179	ug/l	100
74) N-amyl acetate	10.847	43	121217	18.981	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	120462	20.091	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105050m	19.857	ug/l	
77) Bromobenzene	11.201	156	94703	19.681	ug/l	92
78) n-propylbenzene	11.305	91	411265	20.074	ug/l	97
79) 2-Chlorotoluene	11.366	91	251142	19.717	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	307295	19.593	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	27672	15.544	ug/l #	83
82) 4-Chlorotoluene	11.457	91	283207	19.302	ug/l	95
83) tert-Butylbenzene	11.713	119	313275	19.561	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	312149	20.022	ug/l	99
85) sec-Butylbenzene	11.890	105	372664	19.287	ug/l	98
86) p-Isopropyltoluene	12.012	119	323833	19.428	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	178416	19.733	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	182911	19.267	ug/l	100
89) n-Butylbenzene	12.335	91	257277	18.797	ug/l	97
90) Hexachloroethane	12.542	117	47069	16.938	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	178808	19.907	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23401	17.550	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	107801	20.179	ug/l	99
94) Hexachlorobutadiene	13.725	225	45593	19.126	ug/l	93
95) Naphthalene	13.780	128	366732	20.607	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	107826	20.563	ug/l	96

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

