

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040622\
 Data File : VX027997.D
 Acq On : 06 Apr 2022 15:22
 Operator : JC/MD
 Sample : VX0406WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 08:06:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 05 15:58:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	93951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	138912	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49039	41.836	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.680%		
35) Dibromofluoromethane	5.391	113	45138	48.016	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.040%		
50) Toluene-d8	8.647	98	168044	48.927	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.860%		
62) 4-Bromofluorobenzene	11.079	95	67888	50.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16465	15.727	ug/l	100
3) Chloromethane	1.288	50	13543	15.046	ug/l	98
4) Vinyl Chloride	1.374	62	15326	15.895	ug/l	98
5) Bromomethane	1.599	94	10138	26.519	ug/l	99
6) Chloroethane	1.685	64	9017	16.179	ug/l	92
7) Trichlorofluoromethane	1.886	101	25562	16.706	ug/l	98
8) Diethyl Ether	2.130	74	7985	15.481	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	16133	17.358	ug/l	94
10) Methyl Iodide	2.453	142	19554	18.224	ug/l	99
11) Tert butyl alcohol	2.953	59	14662	68.372	ug/l	99
12) 1,1-Dichloroethene	2.319	96	14727	16.626	ug/l	94
13) Acrolein	2.233	56	11761	60.567	ug/l	99
14) Allyl chloride	2.660	41	20508	15.265	ug/l	95
15) Acrylonitrile	3.062	53	39315	76.681	ug/l	99
16) Acetone	2.374	43	38944	88.795	ug/l	97
17) Carbon Disulfide	2.514	76	32988	13.888	ug/l	100
18) Methyl Acetate	2.703	43	17213	15.169	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	48175	16.592	ug/l	97
20) Methylene Chloride	2.788	84	16416	16.696	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	16216	16.579	ug/l	93
22) Diisopropyl ether	3.757	45	42707	15.931	ug/l #	83
23) Vinyl Acetate	3.721	43	178201	76.544	ug/l	99
24) 1,1-Dichloroethane	3.605	63	25342	15.558	ug/l	99
25) 2-Butanone	4.550	43	54815	76.509	ug/l	100
26) 2,2-Dichloropropane	4.477	77	19865	15.704	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	18276	16.160	ug/l	92
28) Bromochloromethane	4.898	49	10985	16.993	ug/l	82
29) Tetrahydrofuran	5.007	42	34225	74.029	ug/l	95
30) Chloroform	5.099	83	28832	16.042	ug/l	97
31) Cyclohexane	5.471	56	24309	16.016	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	25378	15.709	ug/l	97
36) 1,1-Dichloropropene	5.696	75	20862	16.879	ug/l	94
37) Ethyl Acetate	4.715	43	19885	15.771	ug/l	98
38) Carbon Tetrachloride	5.678	117	22641	16.483	ug/l	98
39) Methylcyclohexane	7.385	83	27277	17.634	ug/l	97
40) Benzene	6.038	78	63274	17.804	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10766	16.163	ug/l	95
42) 1,2-Dichloroethane	6.086	62	21561	16.700	ug/l	100
43) Isopropyl Acetate	6.336	43	31224	15.945	ug/l	99
44) Trichloroethene	7.129	130	19701	18.576	ug/l	96
45) 1,2-Dichloropropane	7.428	63	15339	17.919	ug/l	93
46) Dibromomethane	7.580	93	11895	17.031	ug/l	96
47) Bromodichloromethane	7.824	83	21017	16.339	ug/l #	96
48) Methyl methacrylate	7.696	41	15946	16.974	ug/l	91
49) 1,4-Dioxane	7.659	88	7895	313.365	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	105001	81.844	ug/l	95
52) Toluene	8.720	92	43023	18.197	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	20263	15.586	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	23738	16.664	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	17774	18.319	ug/l	99
56) Ethyl methacrylate	9.116	69	24384	17.189	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	27315	17.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	54824	79.154	ug/l	93
59) 2-Hexanone	9.433	43	80605	81.272	ug/l	94
60) Dibromochloromethane	9.525	129	17333	16.539	ug/l	95
61) 1,2-Dibromoethane	9.610	107	18670	18.197	ug/l	99
64) Tetrachloroethene	9.275	164	20250	19.819	ug/l	97
65) Chlorobenzene	10.079	112	48394	17.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	16840	16.861	ug/l	99
67) Ethyl Benzene	10.195	91	82871	17.661	ug/l	98
68) m/p-Xylenes	10.305	106	66477	36.048	ug/l	99
69) o-Xylene	10.646	106	32803	18.382	ug/l	100
70) Styrene	10.659	104	54170	18.189	ug/l	99
71) Bromoform	10.799	173	12457	15.337	ug/l #	99
73) Isopropylbenzene	10.964	105	86458	17.978	ug/l	100
74) N-amyl acetate	10.842	43	26171	15.612	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	25717	16.250	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	22764m	16.094	ug/l	
77) Bromobenzene	11.201	156	22648	17.971	ug/l	92
78) n-propylbenzene	11.305	91	95133	17.343	ug/l	97
79) 2-Chlorotoluene	11.366	91	58937	17.094	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	74980	18.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6005	13.385	ug/l #	82
82) 4-Chlorotoluene	11.457	91	67256	17.076	ug/l	97
83) tert-Butylbenzene	11.719	119	73536	17.678	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	73303	17.514	ug/l	99
85) sec-Butylbenzene	11.890	105	87229	17.148	ug/l	98
86) p-Isopropyltoluene	12.012	119	78295	18.112	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	42354	18.002	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	42379	17.861	ug/l	98
89) n-Butylbenzene	12.335	91	60480	16.528	ug/l	97
90) Hexachloroethane	12.542	117	9599	13.942	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	40648	17.753	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5314	14.331	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	28580	19.268	ug/l	98
94) Hexachlorobutadiene	13.725	225	12735	17.965	ug/l	95
95) Naphthalene	13.780	128	93359	19.340	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	27492	18.969	ug/l	97

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

