

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025773.D
 Acq On : 14 Dec 2021 13:48
 Operator : JC/MD
 Sample : VX1214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 07:02:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	124865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78738	43.826	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.660%		
35) Dibromofluoromethane	5.385	113	65691	46.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.060%		
50) Toluene-d8	8.653	98	240607	46.779	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.560%		
62) 4-Bromofluorobenzene	11.085	95	90338	46.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24061	21.546	ug/l	99
3) Chloromethane	1.294	50	26456	18.194	ug/l	97
4) Vinyl Chloride	1.374	62	28095	18.164	ug/l	97
5) Bromomethane	1.605	94	19486	17.644	ug/l	95
6) Chloroethane	1.685	64	18356	16.385	ug/l	97
7) Trichlorofluoromethane	1.886	101	45681	17.880	ug/l	99
8) Diethyl Ether	2.136	74	16961	16.830	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	25977	19.539	ug/l	97
10) Methyl Iodide	2.453	142	31449	18.565	ug/l	100
11) Tert butyl alcohol	2.959	59	30553	84.778	ug/l	100
12) 1,1-Dichloroethene	2.319	96	23597	17.851	ug/l	95
13) Acrolein	2.239	56	21221	86.147	ug/l	99
14) Allyl chloride	2.666	41	40497	16.786	ug/l	99
15) Acrylonitrile	3.062	53	71137	84.554	ug/l	99
16) Acetone	2.380	43	78159	86.865	ug/l	100
17) Carbon Disulfide	2.514	76	65676	17.345	ug/l	100
18) Methyl Acetate	2.703	43	47170	17.226	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	82270	17.621	ug/l	99
20) Methylene Chloride	2.788	84	28351	16.845	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	26330	17.848	ug/l	98
22) Diisopropyl ether	3.763	45	81244	17.361	ug/l	96
23) Vinyl Acetate	3.721	43	321724	88.842	ug/l	100
24) 1,1-Dichloroethane	3.611	63	46029	17.226	ug/l	99
25) 2-Butanone	4.556	43	106218	87.904	ug/l	98
26) 2,2-Dichloropropane	4.471	77	35006	17.273	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	30439	17.402	ug/l	99
28) Bromochloromethane	4.903	49	19174	15.924	ug/l	99
29) Tetrahydrofuran	5.007	42	64503	83.960	ug/l	99
30) Chloroform	5.092	83	51331	17.516	ug/l	99
31) Cyclohexane	5.470	56	41211	18.862	ug/l #	94
32) 1,1,1-Trichloroethane	5.385	97	43452	17.036	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35523	18.556	ug/l	98
37) Ethyl Acetate	4.714	43	37604	17.680	ug/l	98
38) Carbon Tetrachloride	5.678	117	40023	17.968	ug/l	99
39) Methylcyclohexane	7.379	83	44324	20.692	ug/l	98
40) Benzene	6.037	78	106954	18.729	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20894	17.751	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39749	18.314	ug/l	99
43) Isopropyl Acetate	6.342	43	61383	17.913	ug/l	98
44) Trichloroethene	7.123	130	29458	18.529	ug/l	93
45) 1,2-Dichloropropane	7.434	63	26455	18.380	ug/l	100
46) Dibromomethane	7.580	93	19926	17.782	ug/l	97
47) Bromodichloromethane	7.824	83	38863	17.597	ug/l	99
48) Methyl methacrylate	7.696	41	29094	18.030	ug/l	98
49) 1,4-Dioxane	7.659	88	12271	348.328	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	201591	89.869	ug/l	99
52) Toluene	8.720	92	70063	19.255	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	37294	17.716	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	42555	18.475	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	28588	18.321	ug/l	99
56) Ethyl methacrylate	9.116	69	40626	18.129	ug/l	99
57) 1,3-Dichloropropane	9.311	76	47044	18.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	86868	90.035	ug/l	99
59) 2-Hexanone	9.433	43	155580	91.539	ug/l	98
60) Dibromochloromethane	9.525	129	31221	17.629	ug/l	99
61) 1,2-Dibromoethane	9.610	107	30659	18.121	ug/l	100
64) Tetrachloroethene	9.275	164	29827	19.509	ug/l	99
65) Chlorobenzene	10.079	112	76691	19.195	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	27900	17.883	ug/l	98
67) Ethyl Benzene	10.195	91	132327	19.586	ug/l	100
68) m/p-Xylenes	10.305	106	105178	40.007	ug/l	100
69) o-Xylene	10.646	106	51241	19.813	ug/l	100
70) Styrene	10.659	104	83554	19.415	ug/l	100
71) Bromoform	10.799	173	22124	17.214	ug/l #	100
73) Isopropylbenzene	10.963	105	134873	19.775	ug/l	99
74) N-amyl acetate	10.841	43	48173	17.560	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	44151	18.573	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	39227m	18.218	ug/l	
77) Bromobenzene	11.201	156	32384	18.511	ug/l	98
78) n-propylbenzene	11.305	91	153614	19.912	ug/l	100
79) 2-Chlorotoluene	11.366	91	92397	18.834	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	112252	19.844	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10981	15.811	ug/l	91
82) 4-Chlorotoluene	11.457	91	104820	19.080	ug/l	100
83) tert-Butylbenzene	11.719	119	110948	20.010	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	112207	19.857	ug/l	99
85) sec-Butylbenzene	11.890	105	137542	20.638	ug/l	100
86) p-Isopropyltoluene	12.012	119	115240	20.590	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	61968	19.010	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	63421	19.057	ug/l	99
89) n-Butylbenzene	12.335	91	94546	20.251	ug/l	99
90) Hexachloroethane	12.542	117	18459	16.781	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	61085	19.623	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9090	17.017	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	34299	20.423	ug/l	99
94) Hexachlorobutadiene	13.725	225	15515	23.430	ug/l	99
95) Naphthalene	13.780	128	109640	18.667	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	34676	20.549	ug/l	98

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

