

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033415.D
 Acq On : 14 Dec 2022 13:30
 Operator : JC/MD
 Sample : VX1214WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 22:48:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	177829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	278533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57795	50.660	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.320%			
35) Dibromofluoromethane	5.385	113	67116	53.573	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.140%			
50) Toluene-d8	8.647	98	144866	55.276	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.560%			
62) 4-Bromofluorobenzene	11.079	95	117189	58.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22435	18.060	ug/l	98
3) Chloromethane	1.294	50	22853	15.911	ug/l	99
4) Vinyl Chloride	1.374	62	26996	16.461	ug/l	99
5) Bromomethane	1.618	94	20352	16.911	ug/l	96
6) Chloroethane	1.691	64	19859	15.965	ug/l	95
7) Trichlorofluoromethane	1.886	101	38368	12.462	ug/l	98
8) Diethyl Ether	2.130	74	13477	12.119	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	30878	18.906	ug/l	99
10) Methyl Iodide	2.453	142	26867	15.020	ug/l	98
11) Tert butyl alcohol	2.989	59	27345m	78.400	ug/l	
12) 1,1-Dichloroethene	2.319	96	27617	17.130	ug/l	97
13) Acrolein	2.239	56	18905	49.976	ug/l	99
14) Allyl chloride	2.666	41	42422	16.477	ug/l	97
15) Acrylonitrile	3.069	53	71303	82.527	ug/l	97
16) Acetone	2.386	43	84006	99.511	ug/l	99
17) Carbon Disulfide	2.514	76	65747	15.890	ug/l	100
18) Methyl Acetate	2.703	43	40111	16.413	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	95830	17.160	ug/l	100
20) Methylene Chloride	2.788	84	30980	16.455	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	30098	17.067	ug/l	97
22) Diisopropyl ether	3.757	45	95430	17.301	ug/l	92
23) Vinyl Acetate	3.721	43	363909	84.998	ug/l	98
24) 1,1-Dichloroethane	3.611	63	56013	17.283	ug/l	99
25) 2-Butanone	4.562	43	107682	88.864	ug/l	99
26) 2,2-Dichloropropane	4.477	77	43588	18.288	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	37490	17.788	ug/l	95
28) Bromochloromethane	4.897	49	28551	21.044	ug/l	91
29) Tetrahydrofuran	5.007	42	63970	81.480	ug/l	98
30) Chloroform	5.093	83	64209	17.845	ug/l	99
31) Cyclohexane	5.464	56	48717	17.968	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	56029	18.099	ug/l	99
36) 1,1-Dichloropropene	5.696	75	44187	18.091	ug/l	98
37) Ethyl Acetate	4.708	43	38891	16.844	ug/l	99
38) Carbon Tetrachloride	5.678	117	50240	18.358	ug/l	95
39) Methylcyclohexane	7.379	83	53446	19.549	ug/l	99
40) Benzene	6.038	78	129036	18.119	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22245	17.484	ug/l	96
42) 1,2-Dichloroethane	6.086	62	50097	17.715	ug/l	98
43) Isopropyl Acetate	6.336	43	63576	17.113	ug/l	97
44) Trichloroethene	7.123	130	37222	18.957	ug/l	98
45) 1,2-Dichloropropane	7.428	63	32612	17.906	ug/l	96
46) Dibromomethane	7.580	93	24341	17.544	ug/l	96
47) Bromodichloromethane	7.824	83	48394	17.894	ug/l	99
48) Methyl methacrylate	7.690	41	32763	17.088	ug/l	93
49) 1,4-Dioxane	7.702	88	15352	351.137	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	206310	87.818	ug/l	98
52) Toluene	8.720	92	87631	19.032	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	47802	18.134	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	52274	18.164	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	35807	18.500	ug/l	99
56) Ethyl methacrylate	9.116	69	48732	17.882	ug/l	92
57) 1,3-Dichloropropane	9.305	76	56969	18.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	72694	58.299	ug/l	99
59) 2-Hexanone	9.427	43	160148	92.503	ug/l	96
60) Dibromochloromethane	9.519	129	38336	17.977	ug/l	99
61) 1,2-Dibromoethane	9.610	107	37931	18.424	ug/l	99
64) Tetrachloroethene	9.275	164	32454	18.890	ug/l	97
65) Chlorobenzene	10.079	112	96753	19.016	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	35715	18.575	ug/l	98
67) Ethyl Benzene	10.195	91	170069	19.186	ug/l	98
68) m/p-Xylenes	10.299	106	133518	38.715	ug/l	98
69) o-Xylene	10.640	106	65591	19.241	ug/l	97
70) Styrene	10.653	104	108552	19.444	ug/l	98
71) Bromoform	10.799	173	27685	18.190	ug/l #	100
73) Isopropylbenzene	10.963	105	174852	18.794	ug/l	99
74) N-amyl acetate	10.842	43	55285	17.417	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	53020	17.964	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	46710m	17.886	ug/l	
77) Bromobenzene	11.201	156	42865	18.246	ug/l	97
78) n-propylbenzene	11.305	91	201296	19.377	ug/l	100
79) 2-Chlorotoluene	11.366	91	119012	18.537	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	148294	19.148	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13534	16.121	ug/l	98
82) 4-Chlorotoluene	11.457	91	139329	18.664	ug/l	98
83) tert-Butylbenzene	11.713	119	150375	19.472	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	147309	19.056	ug/l	100
85) sec-Butylbenzene	11.890	105	178934	19.859	ug/l	99
86) p-Isopropyltoluene	12.012	119	152658	19.652	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	81281	19.099	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	82664	19.016	ug/l	100
89) n-Butylbenzene	12.335	91	126194	19.834	ug/l	99
90) Hexachloroethane	12.536	117	23605	17.877	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	79534	18.693	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10284	16.131	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	49388	19.220	ug/l	100
94) Hexachlorobutadiene	13.725	225	21512	20.906	ug/l	99
95) Naphthalene	13.774	128	159834	18.647	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	50332	19.340	ug/l	97

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

