

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121322\
 Data File : VX033388.D
 Acq On : 13 Dec 2022 13:35
 Operator : JC/MD
 Sample : VX1213WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 05:36:37 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	5.556	168	135933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	41624	47.731	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.460%		
35) Dibromofluoromethane	5.385	113	47472	49.883	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.760%		
50) Toluene-d8	8.646	98	99813	50.136	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.280%		
62) 4-Bromofluorobenzene	11.079	95	80136	52.644	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	18598	19.586	ug/l	100
3) Chloromethane	1.294	50	19355	17.629	ug/l	99
4) Vinyl Chloride	1.373	62	22320	17.805	ug/l	100
5) Bromomethane	1.617	94	15001	16.306	ug/l	96
6) Chloroethane	1.690	64	18406	19.357	ug/l	96
7) Trichlorofluoromethane	1.892	101	41916	17.810	ug/l	96
8) Diethyl Ether	2.135	74	11650	13.705	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	26165	20.958	ug/l	99
10) Methyl Iodide	2.452	142	20573	15.046	ug/l	99
11) Tert butyl alcohol	2.983	59	21086m	79.087	ug/l	
12) 1,1-Dichloroethene	2.324	96	24282	19.704	ug/l	97
13) Acrolein	2.239	56	25387	87.796	ug/l	100
14) Allyl chloride	2.666	41	35156	17.864	ug/l	98
15) Acrylonitrile	3.068	53	59176	89.600	ug/l	98
16) Acetone	2.385	43	58526	90.696	ug/l	98
17) Carbon Disulfide	2.513	76	57470	18.170	ug/l	98
18) Methyl Acetate	2.702	43	34126	18.268	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	80689	18.903	ug/l	99
20) Methylene Chloride	2.794	84	26980	18.747	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	26009	19.294	ug/l	99
22) Diisopropyl ether	3.757	45	80462	19.083	ug/l #	84
23) Vinyl Acetate	3.721	43	306341	93.605	ug/l	99
24) 1,1-Dichloroethane	3.611	63	45840	18.503	ug/l	99
25) 2-Butanone	4.562	43	85024	91.791	ug/l	98
26) 2,2-Dichloropropane	4.476	77	36362	19.959	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	30983	19.231	ug/l	98
28) Bromochloromethane	4.897	49	19129	18.445	ug/l	92
29) Tetrahydrofuran	5.013	42	53406	88.990	ug/l	97
30) Chloroform	5.092	83	53709	19.528	ug/l	95
31) Cyclohexane	5.470	56	40232	19.412	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	48403	20.454	ug/l	98
36) 1,1-Dichloropropene	5.696	75	37711	20.325	ug/l	99
37) Ethyl Acetate	4.714	43	32375	18.459	ug/l	99
38) Carbon Tetrachloride	5.677	117	42950	20.660	ug/l	99
39) Methylcyclohexane	7.385	83	43008	20.709	ug/l	97
40) Benzene	6.043	78	107476	19.867	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18940	19.597	ug/l	96
42) 1,2-Dichloroethane	6.092	62	43387	20.196	ug/l	99
43) Isopropyl Acetate	6.342	43	53610	18.997	ug/l	99
44) Trichloroethene	7.128	130	30722	20.597	ug/l	100
45) 1,2-Dichloropropane	7.433	63	27001	19.516	ug/l	98
46) Dibromomethane	7.580	93	20893	19.823	ug/l	98
47) Bromodichloromethane	7.823	83	42115	20.499	ug/l	97
48) Methyl methacrylate	7.695	41	27851	19.122	ug/l	95
49) 1,4-Dioxane	7.695	88	10361	311.963	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	173836	97.407	ug/l	97
52) Toluene	8.720	92	72734	20.794	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	39242	19.395	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	43326	19.818	ug/l	92
55) 1,1,2-Trichloroethane	9.152	97	29452	20.031	ug/l	96
56) Ethyl methacrylate	9.116	69	40383	19.507	ug/l	95
57) 1,3-Dichloropropane	9.311	76	47755	20.218	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	88032	92.937	ug/l	98
59) 2-Hexanone	9.433	43	127682	97.085	ug/l	95
60) Dibromochloromethane	9.518	129	33184	20.484	ug/l	99
61) 1,2-Dibromoethane	9.610	107	31475	20.125	ug/l	100
64) Tetrachloroethene	9.274	164	27112	20.640	ug/l	99
65) Chlorobenzene	10.079	112	79453	20.424	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.164	131	30228	20.562	ug/l	99
67) Ethyl Benzene	10.195	91	142432	21.017	ug/l	99
68) m/p-Xylenes	10.305	106	109752	41.624	ug/l	99
69) o-Xylene	10.640	106	54065	20.744	ug/l	96
70) Styrene	10.658	104	88542	20.743	ug/l	98
71) Bromoform	10.799	173	23240	19.972	ug/l #	97
73) Isopropylbenzene	10.963	105	142394	20.595	ug/l	99
74) N-amyl acetate	10.841	43	45171	19.149	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	43241	19.714	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	37811m	19.483	ug/l	
77) Bromobenzene	11.201	156	35401	20.277	ug/l	98
78) n-propylbenzene	11.305	91	161975	20.981	ug/l	99
79) 2-Chlorotoluene	11.365	91	98510	20.648	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	119989	20.849	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8822	14.140	ug/l	94
82) 4-Chlorotoluene	11.457	91	112492	20.277	ug/l	98
83) tert-Butylbenzene	11.713	119	120897	21.066	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	118724	20.666	ug/l	100
85) sec-Butylbenzene	11.890	105	141631	21.152	ug/l	99
86) p-Isopropyltoluene	12.012	119	119753	20.744	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	65389	20.676	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	65097	20.151	ug/l	100
89) n-Butylbenzene	12.335	91	97399	20.600	ug/l	99
90) Hexachloroethane	12.542	117	18421	18.773	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	63986	20.237	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8619	18.192	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	38382	20.100	ug/l	95
94) Hexachlorobutadiene	13.725	225	16066	21.010	ug/l	100
95) Naphthalene	13.774	128	125792	19.748	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38064	19.681	ug/l	99

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

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