

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033037.D
 Acq On : 24 Nov 2022 04:32
 Operator : JC/MD
 Sample : VX1123WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 05:19:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	119026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194735	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61052	52.659	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.320%			
35) Dibromofluoromethane	5.385	113	52057	47.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.840%			
50) Toluene-d8	8.647	98	158871	48.010	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.020%			
62) 4-Bromofluorobenzene	11.079	95	67930	47.104	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17407	19.142	ug/l	99
3) Chloromethane	1.294	50	19334	19.695	ug/l	96
4) Vinyl Chloride	1.374	62	21490	19.660	ug/l	92
5) Bromomethane	1.617	94	13711	16.916	ug/l	96
6) Chloroethane	1.691	64	16130	18.126	ug/l	95
7) Trichlorofluoromethane	1.892	101	44991	21.208	ug/l	97
8) Diethyl Ether	2.136	74	13874	20.773	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	22724	20.379	ug/l	99
10) Methyl Iodide	2.453	142	18030	14.125	ug/l	99
11) Tert butyl alcohol	3.020	59	24221m	131.818	ug/l	
12) 1,1-Dichloroethene	2.325	96	21483	20.683	ug/l	97
13) Acrolein	2.245	56	19140	90.685	ug/l	99
14) Allyl chloride	2.666	41	34461	20.550	ug/l	98
15) Acrylonitrile	3.075	53	58261	112.101	ug/l	99
16) Acetone	2.398	43	53252	98.371	ug/l	98
17) Carbon Disulfide	2.514	76	53850	18.765	ug/l	99
18) Methyl Acetate	2.709	43	34433	22.978	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	77038	21.386	ug/l	98
20) Methylene Chloride	2.794	84	24820	21.290	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	23677	19.927	ug/l	99
22) Diisopropyl ether	3.757	45	78230	21.424	ug/l #	78
23) Vinyl Acetate	3.721	43	302149	105.711	ug/l	98
24) 1,1-Dichloroethane	3.611	63	44184	21.146	ug/l	98
25) 2-Butanone	4.568	43	82638	110.707	ug/l	96
26) 2,2-Dichloropropane	4.477	77	29714	17.686	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	27721	20.535	ug/l	98
28) Bromochloromethane	4.903	49	19553	21.296	ug/l	98
29) Tetrahydrofuran	5.019	42	52042	109.872	ug/l	100
30) Chloroform	5.099	83	49695	21.235	ug/l	98
31) Cyclohexane	5.476	56	37643	20.043	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	43731	20.866	ug/l	98
36) 1,1-Dichloropropene	5.696	75	34765	19.804	ug/l	99
37) Ethyl Acetate	4.714	43	32324	21.106	ug/l	99
38) Carbon Tetrachloride	5.678	117	39208	20.134	ug/l	91
39) Methylcyclohexane	7.385	83	38553	19.249	ug/l	97
40) Benzene	6.037	78	99653	20.247	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	17844	20.707	ug/l	99
42) 1,2-Dichloroethane	6.086	62	40693	20.535	ug/l	99
43) Isopropyl Acetate	6.342	43	53265	21.030	ug/l	99
44) Trichloroethene	7.129	130	27736	20.083	ug/l	98
45) 1,2-Dichloropropane	7.427	63	25698	21.128	ug/l	100
46) Dibromomethane	7.580	93	18959	19.976	ug/l	99
47) Bromodichloromethane	7.824	83	37222	20.297	ug/l	96
48) Methyl methacrylate	7.696	41	26558	20.371	ug/l	99
49) 1,4-Dioxane	7.738	88	12729	530.403	ug/l #	79
51) 4-Methyl-2-Pentanone	8.573	43	171287	109.596	ug/l	100
52) Toluene	8.720	92	65264	20.155	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	35040	18.760	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	39074	19.764	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	26512	20.111	ug/l	99
56) Ethyl methacrylate	9.116	69	37849	20.838	ug/l	99
57) 1,3-Dichloropropane	9.311	76	43233	20.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	87857	101.859	ug/l	99
59) 2-Hexanone	9.433	43	129670	112.313	ug/l	99
60) Dibromochloromethane	9.525	129	28047	19.761	ug/l	97
61) 1,2-Dibromoethane	9.610	107	28383	20.398	ug/l	98
64) Tetrachloroethene	9.275	164	24101	19.309	ug/l	96
65) Chlorobenzene	10.079	112	71075	20.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27130	21.061	ug/l	98
67) Ethyl Benzene	10.195	91	127763	20.487	ug/l	99
68) m/p-Xylenes	10.299	106	98585	40.369	ug/l	99
69) o-Xylene	10.640	106	48459	20.508	ug/l	99
70) Styrene	10.659	104	80569	20.842	ug/l	99
71) Bromoform	10.799	173	19898	20.147	ug/l #	96
73) Isopropylbenzene	10.963	105	128849	20.457	ug/l	99
74) N-amyl acetate	10.841	43	46640	21.768	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	40042	21.064	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	36009m	21.572	ug/l	
77) Bromobenzene	11.201	156	31404	20.274	ug/l	98
78) n-propylbenzene	11.305	91	147441	20.474	ug/l	99
79) 2-Chlorotoluene	11.366	91	90047	20.588	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	110644	20.911	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9713	18.914	ug/l	94
82) 4-Chlorotoluene	11.457	91	103545	20.202	ug/l	99
83) tert-Butylbenzene	11.713	119	107595	20.429	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	109708	20.794	ug/l	100
85) sec-Butylbenzene	11.890	105	130403	20.695	ug/l	99
86) p-Isopropyltoluene	12.012	119	109966	20.598	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	58538	20.148	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	59453	19.981	ug/l	100
89) n-Butylbenzene	12.335	91	92028	20.010	ug/l	99
90) Hexachloroethane	12.536	117	17603	20.070	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	57854	20.470	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8348	22.010	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	34856	20.007	ug/l	98
94) Hexachlorobutadiene	13.725	225	14556	18.938	ug/l	99
95) Naphthalene	13.774	128	118813	21.081	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	34530	19.764	ug/l	99

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

