

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039434.D
 Acq On : 22 Dec 2023 12:58
 Operator : JC/MD
 Sample : VX1222WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2023
 Supervised By : Mahesh Dadoda 12/28/2023

Quant Time: Dec 23 06:22:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	114678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	220392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104105	49.555	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.100%		
35) Dibromofluoromethane	5.385	113	74163	48.709	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.420%		
50) Toluene-d8	8.647	98	284447	50.321	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.640%		
62) 4-Bromofluorobenzene	11.079	95	111166	47.665	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31334	19.445	ug/l	97
3) Chloromethane	1.294	50	35889	20.089	ug/l	99
4) Vinyl Chloride	1.374	62	33143	19.948	ug/l	99
5) Bromomethane	1.605	94	22528	23.568	ug/l	99
6) Chloroethane	1.691	64	19831	19.806	ug/l	94
7) Trichlorofluoromethane	1.892	101	47913	19.694	ug/l	99
8) Diethyl Ether	2.130	74	17796	21.135	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	28848	19.431	ug/l	96
10) Methyl Iodide	2.453	142	27744	18.080	ug/l	93
11) Tert butyl alcohol	2.947	59	44122	83.636	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	28471	19.306	ug/l	97
13) Acrolein	2.233	56	42603	101.228	ug/l	99
14) Allyl chloride	2.666	41	55729	18.654	ug/l	97
15) Acrylonitrile	3.056	53	102752	97.307	ug/l	99
16) Acetone	2.373	43	107544	71.253	ug/l	95
17) Carbon Disulfide	2.514	76	77289	17.909	ug/l	98
18) Methyl Acetate	2.697	43	87685	19.297	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	101675	19.064	ug/l	96
20) Methylene Chloride	2.788	84	34447	19.670	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	30953	19.289	ug/l	98
22) Diisopropyl ether	3.751	45	111111	20.432	ug/l	91
23) Vinyl Acetate	3.721	43	397446	98.172	ug/l	99
24) 1,1-Dichloroethane	3.611	63	58903	19.161	ug/l	99
25) 2-Butanone	4.544	43	151689	83.674	ug/l	96
26) 2,2-Dichloropropane	4.477	77	47098	17.549	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	35194	19.870	ug/l	98
28) Bromochloromethane	4.897	49	31675	21.118	ug/l	90
29) Tetrahydrofuran	5.001	42	95716	95.607	ug/l	99
30) Chloroform	5.092	83	59106	19.240	ug/l	99
31) Cyclohexane	5.464	56	52874	19.486	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	49154	18.432	ug/l	97
36) 1,1-Dichloropropene	5.690	75	44405	18.481	ug/l	98
37) Ethyl Acetate	4.714	43	54299	18.292	ug/l	99
38) Carbon Tetrachloride	5.678	117	38966	16.994	ug/l	98
39) Methylcyclohexane	7.379	83	52438	18.169	ug/l	97
40) Benzene	6.037	78	128521	18.910	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	28864	18.225	ug/l	95
42) 1,2-Dichloroethane	6.086	62	50131	18.222	ug/l	100
43) Isopropyl Acetate	6.336	43	87747	18.178	ug/l	98
44) Trichloroethene	7.129	130	30990	18.069	ug/l	96
45) 1,2-Dichloropropane	7.427	63	34678	19.011	ug/l	97
46) Dibromomethane	7.580	93	23514	18.338	ug/l	94
47) Bromodichloromethane	7.818	83	44613	18.197	ug/l	95
48) Methyl methacrylate	7.690	41	52520	18.611	ug/l	98
49) 1,4-Dioxane	7.653	88	13418	352.746	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	288547	93.821	ug/l	99
52) Toluene	8.720	92	79473	19.373	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	47598	17.634	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	52415	18.048	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	32759	19.129	ug/l	97
56) Ethyl methacrylate	9.116	69	39813	19.043	ug/l	96
57) 1,3-Dichloropropane	9.305	76	57375	19.379	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	119525	97.364	ug/l	94
59) 2-Hexanone	9.427	43	231515	87.223	ug/l	98
60) Dibromochloromethane	9.518	129	31007	17.903	ug/l	98
61) 1,2-Dibromoethane	9.610	107	34811	19.041	ug/l	98
64) Tetrachloroethene	9.275	164	24699	18.535	ug/l	97
65) Chlorobenzene	10.079	112	83267	18.708	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	27899	17.745	ug/l	97
67) Ethyl Benzene	10.189	91	154328	18.627	ug/l	98
68) m/p-Xylenes	10.299	106	112127	37.745	ug/l	93
69) o-Xylene	10.640	106	55138	19.197	ug/l	96
70) Styrene	10.652	104	79792	19.003	ug/l	97
71) Bromoform	10.799	173	19273	16.492	ug/l #	98
73) Isopropylbenzene	10.963	105	146652	18.635	ug/l	98
74) N-amyl acetate	10.841	43	70822	17.787	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	55318	18.895	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	46807m	17.737	ug/l	
77) Bromobenzene	11.195	156	32289	18.554	ug/l	91
78) n-propylbenzene	11.305	91	182180	18.789	ug/l	97
79) 2-Chlorotoluene	11.360	91	105933	18.062	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	126562	18.878	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	14025	14.993	ug/l	99
82) 4-Chlorotoluene	11.451	91	127656	18.531	ug/l	97
83) tert-Butylbenzene	11.713	119	115306	18.072	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	127815	18.591	ug/l	98
85) sec-Butylbenzene	11.890	105	147324	18.146	ug/l	98
86) p-Isopropyltoluene	12.006	119	124069	18.209	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	61468	17.979	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	63104	17.727	ug/l	96
89) n-Butylbenzene	12.329	91	122998	18.363	ug/l	96
90) Hexachloroethane	12.536	117	20019	16.265	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	59448	18.173	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12940	16.781	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	37939	17.712	ug/l	98
94) Hexachlorobutadiene	13.725	225	13141	16.279	ug/l	99
95) Naphthalene	13.774	128	131836	17.673	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	36411	17.608	ug/l	98

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

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