

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033622.D
 Acq On : 06 Jan 2023 11:56
 Operator : JC/MD
 Sample : VX0106WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0106WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/09/2023
 Supervised By : Mahesh Dadoda 01/09/2023

Quant Time: Jan 07 04:21:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	170291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98887	51.440	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.880%			
35) Dibromofluoromethane	5.385	113	82193	50.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	8.647	98	294579	50.828	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.079	95	112569	54.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28212	20.089	ug/l	99
3) Chloromethane	1.294	50	32319	18.698	ug/l	98
4) Vinyl Chloride	1.374	62	30137	19.658	ug/l	96
5) Bromomethane	1.617	94	15234	17.770	ug/l	97
6) Chloroethane	1.691	64	15669	17.737	ug/l	100
7) Trichlorofluoromethane	1.892	101	43105	19.874	ug/l	98
8) Diethyl Ether	2.136	74	13577	19.904	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	21254	18.550	ug/l	99
10) Methyl Iodide	2.453	142	42652	21.554	ug/l	100
11) Tert butyl alcohol	3.038	59	33355m	105.622	ug/l	
12) 1,1-Dichloroethene	2.319	96	19059	18.061	ug/l	98
13) Acrolein	2.239	56	17981	89.957	ug/l	99
14) Allyl chloride	2.666	41	52062	19.597	ug/l	99
15) Acrylonitrile	3.068	53	83409	97.647	ug/l	99
16) Acetone	2.404	43	72314	102.759	ug/l	97
17) Carbon Disulfide	2.514	76	67664	19.466	ug/l	98
18) Methyl Acetate	2.709	43	52217	19.597	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	100022	20.004	ug/l	96
20) Methylene Chloride	2.788	84	32158	18.470	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	30502	19.412	ug/l	97
22) Diisopropyl ether	3.757	45	108557	20.280	ug/l	100
23) Vinyl Acetate	3.721	43	418558	101.828	ug/l	100
24) 1,1-Dichloroethane	3.605	63	55994	19.333	ug/l	98
25) 2-Butanone	4.562	43	118049	94.049	ug/l	98
26) 2,2-Dichloropropane	4.477	77	40978	20.466	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	36032	19.771	ug/l	99
28) Bromochloromethane	4.897	49	23658	20.109	ug/l	98
29) Tetrahydrofuran	5.013	42	77529	97.386	ug/l	100
30) Chloroform	5.092	83	58919	19.914	ug/l	98
31) Cyclohexane	5.464	56	50856	19.004	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	50691	19.814	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43145	19.643	ug/l	99
37) Ethyl Acetate	4.714	43	48822	18.735	ug/l	99
38) Carbon Tetrachloride	5.678	117	45354	19.512	ug/l	97
39) Methylcyclohexane	7.379	83	52723	19.225	ug/l	99
40) Benzene	6.037	78	124252	19.355	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	26603	19.935	ug/l	99
42) 1,2-Dichloroethane	6.080	62	48012	20.064	ug/l	99
43) Isopropyl Acetate	6.336	43	72118	19.204	ug/l	99
44) Trichloroethene	7.123	130	35296	19.268	ug/l	100
45) 1,2-Dichloropropane	7.427	63	32657	19.748	ug/l	97
46) Dibromomethane	7.580	93	22939	19.813	ug/l	98
47) Bromodichloromethane	7.818	83	45447	20.262	ug/l	100
48) Methyl methacrylate	7.690	41	37971	19.975	ug/l	99
49) 1,4-Dioxane	7.744	88	16788	415.216	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	237207	99.800	ug/l	100
52) Toluene	8.714	92	82095	19.451	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	44828	18.146	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	50955	20.523	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	34366	20.788	ug/l	97
56) Ethyl methacrylate	9.116	69	50299	20.380	ug/l	99
57) 1,3-Dichloropropane	9.305	76	56649	20.028	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	129513	103.164	ug/l	99
59) 2-Hexanone	9.427	43	176752	100.667	ug/l	99
60) Dibromochloromethane	9.518	129	36296	20.072	ug/l	98
61) 1,2-Dibromoethane	9.610	107	36286	20.752	ug/l	99
64) Tetrachloroethene	9.269	164	30968	18.551	ug/l	96
65) Chlorobenzene	10.079	112	90538	19.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	33707	19.426	ug/l	99
67) Ethyl Benzene	10.189	91	157090	19.388	ug/l	97
68) m/p-Xylenes	10.299	106	123410	39.028	ug/l	100
69) o-Xylene	10.640	106	61509	19.619	ug/l	100
70) Styrene	10.652	104	101760	19.758	ug/l	99
71) Bromoform	10.799	173	27921	20.098	ug/l #	99
73) Isopropylbenzene	10.963	105	159865	18.534	ug/l	99
74) N-amyl acetate	10.841	43	65767	18.817	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	50370	18.736	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	41059m	18.349	ug/l	
77) Bromobenzene	11.195	156	43182	18.912	ug/l	99
78) n-propylbenzene	11.305	91	183015	18.715	ug/l	99
79) 2-Chlorotoluene	11.366	91	109727	18.683	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	136667	19.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13456	18.252	ug/l	97
82) 4-Chlorotoluene	11.451	91	125832	18.531	ug/l	100
83) tert-Butylbenzene	11.713	119	137208	18.519	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	135522	19.018	ug/l	99
85) sec-Butylbenzene	11.890	105	169466	19.360	ug/l	99
86) p-Isopropyltoluene	12.006	119	146318	19.561	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	79600	19.369	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	80678	20.068	ug/l	99
89) n-Butylbenzene	12.329	91	120224	19.220	ug/l	98
90) Hexachloroethane	12.536	117	18044	14.952	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	77451	19.724	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7584	15.171	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	37961	15.111	ug/l	99
94) Hexachlorobutadiene	13.725	225	18842	15.706	ug/l	99
95) Naphthalene	13.774	128	118797	16.079	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	48543	19.561	ug/l	98

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

