

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034895.D
 Acq On : 01 Apr 2023 02:18
 Operator : JC/MD
 Sample : VX0331WBS04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0331WBS04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2023
 Supervised By : Mahesh Dadoda 04/03/2023

Quant Time: Apr 03 02:09:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	206379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	355980	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	316542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	148370	47.008	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.020%		
35) Dibromofluoromethane	5.385	113	108500	46.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.160%		
50) Toluene-d8	8.647	98	411298	47.326	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.660%		
62) 4-Bromofluorobenzene	11.079	95	150068	44.622	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44138	21.443	ug/l	99
3) Chloromethane	1.294	50	56683	21.994	ug/l	98
4) Vinyl Chloride	1.374	62	56558	22.164	ug/l	100
5) Bromomethane	1.617	94	36470	21.994	ug/l	99
6) Chloroethane	1.691	64	39328	23.688	ug/l	95
7) Trichlorofluoromethane	1.892	101	99437	24.239	ug/l	99
8) Diethyl Ether	2.136	74	38238	26.439	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	56612	26.403	ug/l	96
10) Methyl Iodide	2.453	142	54726	20.495	ug/l #	89
11) Tert butyl alcohol	2.995	59	58271m	105.225	ug/l	
12) 1,1-Dichloroethene	2.319	96	52106	24.593	ug/l	83
13) Acrolein	2.239	56	62773	110.116	ug/l	99
14) Allyl chloride	2.666	41	97093	23.391	ug/l	91
15) Acrylonitrile	3.062	53	140025	112.333	ug/l	99
16) Acetone	2.386	43	156437	122.008	ug/l	92
17) Carbon Disulfide	2.514	76	118590	22.349	ug/l	99
18) Methyl Acetate	2.703	43	104974	23.043	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	170510	21.737	ug/l	97
20) Methylene Chloride	2.788	84	54580	21.572	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	49339	21.352	ug/l	98
22) Diisopropyl ether	3.757	45	185724	22.175	ug/l	97
23) Vinyl Acetate	3.721	43	665488	111.414	ug/l	98
24) 1,1-Dichloroethane	3.611	63	97698	21.680	ug/l	98
25) 2-Butanone	4.562	43	202963	108.821	ug/l	99
26) 2,2-Dichloropropane	4.477	77	62495	16.864	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	58672	21.429	ug/l	99
28) Bromochloromethane	4.897	49	37919	17.202	ug/l	99
29) Tetrahydrofuran	5.013	42	131981	112.958	ug/l	99
30) Chloroform	5.099	83	98127	21.439	ug/l	98
31) Cyclohexane	5.470	56	85719	22.304	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	82139	21.030	ug/l	98
36) 1,1-Dichloropropene	5.696	75	73017	20.932	ug/l	99
37) Ethyl Acetate	4.714	43	78948	21.645	ug/l	99
38) Carbon Tetrachloride	5.678	117	67203	20.434	ug/l	97
39) Methylcyclohexane	7.379	83	74276	20.052	ug/l	95
40) Benzene	6.037	78	213436	21.315	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43625	21.993	ug/l	99
42) 1,2-Dichloroethane	6.086	62	84609	21.253	ug/l	97
43) Isopropyl Acetate	6.342	43	128994	21.139	ug/l	99
44) Trichloroethene	7.123	130	54078	21.156	ug/l	95
45) 1,2-Dichloropropane	7.427	63	56427	21.625	ug/l	97
46) Dibromomethane	7.580	93	37634	20.962	ug/l	98
47) Bromodichloromethane	7.818	83	68650	20.701	ug/l	93
48) Methyl methacrylate	7.696	41	63745	21.271	ug/l	96
49) 1,4-Dioxane	7.702	88	27173	439.988	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	407984	112.968	ug/l	98
52) Toluene	8.720	92	131890	20.201	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	69226	19.404	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	78653	20.146	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	52799	21.367	ug/l	98
56) Ethyl methacrylate	9.116	69	81067	20.939	ug/l	95
57) 1,3-Dichloropropane	9.305	76	94765	21.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	227851	115.581	ug/l	99
59) 2-Hexanone	9.433	43	304971	111.646	ug/l	98
60) Dibromochloromethane	9.518	129	48143	20.452	ug/l	99
61) 1,2-Dibromoethane	9.610	107	55282	21.514	ug/l	99
64) Tetrachloroethene	9.275	164	45690	20.169	ug/l	98
65) Chlorobenzene	10.079	112	138125	20.972	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	47612	21.024	ug/l	99
67) Ethyl Benzene	10.195	91	252984	21.204	ug/l	99
68) m/p-Xylenes	10.299	106	191278	41.970	ug/l	98
69) o-Xylene	10.640	106	92754	20.775	ug/l	96
70) Styrene	10.652	104	151136	21.205	ug/l	99
71) Bromoform	10.799	173	29473	19.135	ug/l #	99
73) Isopropylbenzene	10.963	105	242299	22.063	ug/l	100
74) N-amyl acetate	10.841	43	110751	22.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	81234	22.569	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	64534m	21.362	ug/l	
77) Bromobenzene	11.201	156	57818	21.247	ug/l	97
78) n-propylbenzene	11.305	91	274039	21.601	ug/l	98
79) 2-Chlorotoluene	11.366	91	174766	21.818	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	197048	21.460	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	16160	16.032	ug/l #	76
82) 4-Chlorotoluene	11.457	91	198723	21.364	ug/l	99
83) tert-Butylbenzene	11.713	119	186700	21.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	200924	21.517	ug/l	98
85) sec-Butylbenzene	11.890	105	230167	21.942	ug/l	99
86) p-Isopropyltoluene	12.012	119	189760	21.694	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	106780	21.547	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	108709	21.003	ug/l	99
89) n-Butylbenzene	12.335	91	160851	21.048	ug/l	97
90) Hexachloroethane	12.536	117	28196	20.806	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	106165	21.390	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15367	20.454	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	61158	21.787	ug/l	98
94) Hexachlorobutadiene	13.725	225	24045	19.475	ug/l	99
95) Naphthalene	13.774	128	222163	22.273	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	61475	21.716	ug/l	98

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

