

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022023\
 Data File : VX034176.D
 Acq On : 20 Feb 2023 10:38
 Operator : JC/MD
 Sample : VX0220WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 21 01:03:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	439521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	725915	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	636081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	305001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	269599	45.546	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.100%		
35) Dibromofluoromethane	5.385	113	229753	48.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.220%		
50) Toluene-d8	8.647	98	867344	51.112	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.220%		
62) 4-Bromofluorobenzene	11.079	95	322708	49.717	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72728	19.149	ug/l	100
3) Chloromethane	1.294	50	105990	19.393	ug/l	98
4) Vinyl Chloride	1.374	62	108430	21.784	ug/l	98
5) Bromomethane	1.611	94	45953	20.467	ug/l	99
6) Chloroethane	1.691	64	56302	22.500	ug/l	98
7) Trichlorofluoromethane	1.892	101	144650	21.481	ug/l	97
8) Diethyl Ether	2.130	74	55691	20.528	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	87378	18.425	ug/l	96
10) Methyl Iodide	2.453	142	106460	18.437	ug/l	94
11) Tert butyl alcohol	2.959	59	107135	80.922	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	87511	18.408	ug/l	98
13) Acrolein	2.233	56	52396	86.698	ug/l	99
14) Allyl chloride	2.666	41	177749	17.626	ug/l	88
15) Acrylonitrile	3.056	53	265093	91.785	ug/l	98
16) Acetone	2.380	43	233444	76.452	ug/l	90
17) Carbon Disulfide	2.514	76	250761	18.347	ug/l	100
18) Methyl Acetate	2.703	43	172464	18.254	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	311386	18.559	ug/l	98
20) Methylene Chloride	2.788	84	98037	17.819	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	96418	19.355	ug/l	95
22) Diisopropyl ether	3.757	45	354165	20.033	ug/l	93
23) Vinyl Acetate	3.715	43	1380286	97.449	ug/l	99
24) 1,1-Dichloroethane	3.611	63	181432	18.694	ug/l	100
25) 2-Butanone	4.550	43	379009	85.785	ug/l	98
26) 2,2-Dichloropropane	4.471	77	157934	17.963	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	111160	18.844	ug/l	95
28) Bromochloromethane	4.891	49	84986	19.629	ug/l	86
29) Tetrahydrofuran	4.995	42	242453	89.956	ug/l	99
30) Chloroform	5.092	83	176103	18.896	ug/l	99
31) Cyclohexane	5.470	56	170466	19.289	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	153152	18.332	ug/l	99
36) 1,1-Dichloropropene	5.690	75	132393	18.941	ug/l	98
37) Ethyl Acetate	4.702	43	148475	19.006	ug/l	99
38) Carbon Tetrachloride	5.678	117	134308	18.673	ug/l	99
39) Methylcyclohexane	7.379	83	172614	19.190	ug/l	98
40) Benzene	6.037	78	403114	19.461	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	82496	18.954	ug/l	99
42) 1,2-Dichloroethane	6.086	62	134042	18.399	ug/l	100
43) Isopropyl Acetate	6.330	43	262789	19.063	ug/l	99
44) Trichloroethene	7.123	130	104214	19.605	ug/l	94
45) 1,2-Dichloropropane	7.427	63	107523	19.499	ug/l	97
46) Dibromomethane	7.580	93	69351	19.110	ug/l	89
47) Bromodichloromethane	7.818	83	141515	19.001	ug/l	98
48) Methyl methacrylate	7.690	41	122399	18.707	ug/l	100
49) 1,4-Dioxane	7.671	88	44577	341.567	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	756460	99.739	ug/l	99
52) Toluene	8.714	92	251510	20.038	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	162802	18.991	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	176180	19.197	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	100011	19.741	ug/l	98
56) Ethyl methacrylate	9.116	69	166903	19.474	ug/l	98
57) 1,3-Dichloropropane	9.305	76	173823	19.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	355638	95.791	ug/l	94
59) 2-Hexanone	9.427	43	557491	96.450	ug/l	99
60) Dibromochloromethane	9.518	129	107743	19.247	ug/l	99
61) 1,2-Dibromoethane	9.610	107	104130	19.434	ug/l	97
64) Tetrachloroethene	9.269	164	87492	19.489	ug/l	94
65) Chlorobenzene	10.079	112	264236	19.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	97770	19.048	ug/l	97
67) Ethyl Benzene	10.195	91	476667	20.011	ug/l	98
68) m/p-Xylenes	10.299	106	363353	39.859	ug/l	95
69) o-Xylene	10.640	106	180488	19.888	ug/l	98
70) Styrene	10.652	104	294120	19.927	ug/l	97
71) Bromoform	10.799	173	79410	18.953	ug/l #	99
73) Isopropylbenzene	10.963	105	460683	19.819	ug/l	100
74) N-amyl acetate	10.841	43	222914	19.088	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	150077	18.877	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	144308m	18.803	ug/l	
77) Bromobenzene	11.195	156	109140	19.511	ug/l	85
78) n-propylbenzene	11.305	91	544048	20.124	ug/l	97
79) 2-Chlorotoluene	11.366	91	325031	19.608	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	387611	19.834	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	53977	18.067	ug/l	88
82) 4-Chlorotoluene	11.457	91	371883	19.697	ug/l	97
83) tert-Butylbenzene	11.713	119	392966	19.633	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	387844	19.628	ug/l	97
85) sec-Butylbenzene	11.890	105	482831	19.864	ug/l	98
86) p-Isopropyltoluene	12.012	119	398890	19.829	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	205299	19.569	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	203512	19.233	ug/l	95
89) n-Butylbenzene	12.335	91	356279	19.885	ug/l	98
90) Hexachloroethane	12.536	117	80274	19.086	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	201629	19.644	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31900	16.826	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	125800	19.090	ug/l	98
94) Hexachlorobutadiene	13.725	225	51402	18.816	ug/l	98
95) Naphthalene	13.774	128	419037	18.876	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	123783	18.920	ug/l	98

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

