

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022423\
 Data File : VX034258.D
 Acq On : 24 Feb 2023 11:59
 Operator : JC/MD
 Sample : VX0224WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2023
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 24 22:20:04 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	294783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	482787	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	429010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	209167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186077	46.870	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.740%			
35) Dibromofluoromethane	5.385	113	159326	50.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	8.647	98	598456	53.027	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.060%			
62) 4-Bromofluorobenzene	11.079	95	219203	50.778	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	50341	19.763	ug/l	98
3) Chloromethane	1.301	50	70273	19.171	ug/l	98
4) Vinyl Chloride	1.374	62	73230	21.936	ug/l	97
5) Bromomethane	1.605	94	43649	32.142	ug/l	98
6) Chloroethane	1.685	64	43001	25.622	ug/l	99
7) Trichlorofluoromethane	1.886	101	109578	24.262	ug/l	99
8) Diethyl Ether	2.136	74	41356	22.729	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	57939	18.216	ug/l	96
10) Methyl Iodide	2.453	142	65970	17.035	ug/l	94
11) Tert butyl alcohol	2.953	59	83408	93.933	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	58338	18.297	ug/l	92
13) Acrolein	2.233	56	35133	86.677	ug/l	100
14) Allyl chloride	2.666	41	114277	16.896	ug/l	90
15) Acrylonitrile	3.063	53	182633	94.283	ug/l	99
16) Acetone	2.380	43	172654	84.306	ug/l	91
17) Carbon Disulfide	2.514	76	149884	16.351	ug/l	97
18) Methyl Acetate	2.703	43	121874	19.233	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	210831	18.735	ug/l	100
20) Methylene Chloride	2.788	84	67672	18.339	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	62275	18.640	ug/l	99
22) Diisopropyl ether	3.758	45	231699	19.541	ug/l	93
23) Vinyl Acetate	3.721	43	893902	94.097	ug/l	100
24) 1,1-Dichloroethane	3.611	63	120337	18.487	ug/l	100
25) 2-Butanone	4.556	43	265387	89.561	ug/l	99
26) 2,2-Dichloropropane	4.471	77	103874	17.615	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	74205	18.756	ug/l	96
28) Bromochloromethane	4.898	49	53626	18.468	ug/l	88
29) Tetrahydrofuran	5.001	42	167738	92.792	ug/l	99
30) Chloroform	5.093	83	117305	18.767	ug/l	99
31) Cyclohexane	5.471	56	106846	18.026	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	103181	18.415	ug/l	100
36) 1,1-Dichloropropene	5.690	75	86338	18.572	ug/l	99
37) Ethyl Acetate	4.709	43	100845	19.410	ug/l	99
38) Carbon Tetrachloride	5.678	117	89754	18.762	ug/l	97
39) Methylcyclohexane	7.379	83	107618	17.989	ug/l	97
40) Benzene	6.038	78	265867	19.299	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56433	19.495	ug/l	98
42) 1,2-Dichloroethane	6.086	62	90770	18.734	ug/l	100
43) Isopropyl Acetate	6.336	43	172138	18.775	ug/l	99
44) Trichloroethene	7.129	130	69741	19.727	ug/l	99
45) 1,2-Dichloropropane	7.428	63	70710	19.281	ug/l	97
46) Dibromomethane	7.580	93	47031	19.486	ug/l	88
47) Bromodichloromethane	7.824	83	91987	18.571	ug/l	98
48) Methyl methacrylate	7.690	41	79788	18.335	ug/l	98
49) 1,4-Dioxane	7.659	88	36112	416.052	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	517196	102.533	ug/l	99
52) Toluene	8.720	92	165883	19.872	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	103823	18.210	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	112568	18.442	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	69702	20.687	ug/l	98
56) Ethyl methacrylate	9.116	69	110722	19.425	ug/l	98
57) 1,3-Dichloropropane	9.311	76	116329	19.844	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	242909	98.377	ug/l	95
59) 2-Hexanone	9.427	43	390273	101.522	ug/l	99
60) Dibromochloromethane	9.519	129	73092	19.632	ug/l	99
61) 1,2-Dibromoethane	9.610	107	71441	20.048	ug/l	98
64) Tetrachloroethene	9.269	164	58447	19.303	ug/l	94
65) Chlorobenzene	10.080	112	178807	19.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	68033	19.652	ug/l	99
67) Ethyl Benzene	10.195	91	319992	19.917	ug/l	99
68) m/p-Xylenes	10.299	106	245139	39.871	ug/l	97
69) o-Xylene	10.640	106	122244	19.972	ug/l	97
70) Styrene	10.653	104	199215	20.012	ug/l	97
71) Bromoform	10.799	173	53582	18.961	ug/l #	99
73) Isopropylbenzene	10.964	105	313233	19.649	ug/l	100
74) N-amyl acetate	10.842	43	146899	18.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	104575	19.180	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	84692m	16.091	ug/l	
77) Bromobenzene	11.201	156	76817	20.024	ug/l	91
78) n-propylbenzene	11.305	91	358203	19.321	ug/l	98
79) 2-Chlorotoluene	11.366	91	216661	19.058	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	262363	19.576	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	34133	16.660	ug/l	92
82) 4-Chlorotoluene	11.457	91	249864	19.297	ug/l	98
83) tert-Butylbenzene	11.713	119	274821	20.021	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	259543	19.153	ug/l	99
85) sec-Butylbenzene	11.890	105	327412	19.642	ug/l	98
86) p-Isopropyltoluene	12.006	119	273001	19.789	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	142493	19.806	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	143209	19.735	ug/l	97
89) n-Butylbenzene	12.329	91	231364	18.830	ug/l	97
90) Hexachloroethane	12.536	117	50930	17.657	ug/l	83
91) 1,2-Dichlorobenzene	12.335	146	143631	20.404	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20716	15.933	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	87473	19.356	ug/l	97
94) Hexachlorobutadiene	13.725	225	35565	18.983	ug/l	100
95) Naphthalene	13.774	128	293032	19.248	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	87320	19.462	ug/l	99

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

