

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080123\
 Data File : VX036737.D
 Acq On : 01 Aug 2023 10:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 06:22:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	156040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103930	45.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.020%		
35) Dibromofluoromethane	5.379	113	85853	47.085	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	8.647	98	298614	46.182	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.360%		
62) 4-Bromofluorobenzene	11.079	95	115471	47.333	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	85724	41.586	ug/l	100
3) Chloromethane	1.301	50	76053	40.564	ug/l	96
4) Vinyl Chloride	1.374	62	84558	44.298	ug/l	100
5) Bromomethane	1.599	94	64518	56.614	ug/l	97
6) Chloroethane	1.679	64	53255	57.384	ug/l	99
7) Trichlorofluoromethane	1.886	101	146591	49.729	ug/l	98
8) Diethyl Ether	2.130	74	55016	48.240	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.325	101	85416	48.230	ug/l	99
10) Methyl Iodide	2.447	142	80458	43.739	ug/l	93
11) Tert butyl alcohol	2.959	59	128163	234.471	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	79477	45.486	ug/l	88
13) Acrolein	2.233	56	96015	307.793	ug/l	98
14) Allyl chloride	2.660	41	146803	42.668	ug/l #	94
15) Acrylonitrile	3.062	53	261530	237.918	ug/l	99
16) Acetone	2.380	43	245380	256.116	ug/l	90
17) Carbon Disulfide	2.508	76	192128	39.841	ug/l	99
18) Methyl Acetate	2.703	43	190286	47.212	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	321488	48.963	ug/l	99
20) Methylene Chloride	2.788	84	93688	43.970	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	86928	44.515	ug/l	94
22) Diisopropyl ether	3.757	45	296862	45.442	ug/l	86
23) Vinyl Acetate	3.715	43	1155406	230.570	ug/l	95
24) 1,1-Dichloroethane	3.605	63	171468	46.815	ug/l	98
25) 2-Butanone	4.550	43	375045	241.275	ug/l	93
26) 2,2-Dichloropropane	4.471	77	156521	45.352	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	108098	46.606	ug/l	93
28) Bromochloromethane	4.891	49	86994	49.111	ug/l	91
29) Tetrahydrofuran	4.995	42	231071	230.570	ug/l	92
30) Chloroform	5.086	83	181418	48.414	ug/l	97
31) Cyclohexane	5.464	56	136429	42.677	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	160327	46.695	ug/l	98
36) 1,1-Dichloropropene	5.690	75	126855	46.677	ug/l	98
37) Ethyl Acetate	4.708	43	145016	47.144	ug/l	97
38) Carbon Tetrachloride	5.672	117	141018	48.807	ug/l	100
39) Methylcyclohexane	7.379	83	156330	46.260	ug/l	93
40) Benzene	6.031	78	371942	47.039	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	77772	47.272	ug/l	92
42) 1,2-Dichloroethane	6.080	62	143443	49.618	ug/l	96
43) Isopropyl Acetate	6.336	43	246934	46.635	ug/l	96
44) Trichloroethene	7.123	130	99744	48.260	ug/l	98
45) 1,2-Dichloropropane	7.427	63	99697	47.225	ug/l	99
46) Dibromomethane	7.580	93	72792	49.267	ug/l	96
47) Bromodichloromethane	7.818	83	148390	48.928	ug/l	99
48) Methyl methacrylate	7.690	41	114645	46.557	ug/l	89
49) 1,4-Dioxane	7.659	88	49767	1000.417	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	703591	240.115	ug/l	95
52) Toluene	8.714	92	238476	48.133	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	166808	48.663	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	174009	48.108	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	102653	49.290	ug/l	97
56) Ethyl methacrylate	9.116	69	167470	49.382	ug/l	93
57) 1,3-Dichloropropane	9.305	76	174346	50.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	406894	243.503	ug/l	96
59) 2-Hexanone	9.427	43	531359	244.335	ug/l	94
60) Dibromochloromethane	9.519	129	118032	51.563	ug/l	99
61) 1,2-Dibromoethane	9.610	107	109124	50.556	ug/l	99
64) Tetrachloroethene	9.275	164	86133	48.191	ug/l	96
65) Chlorobenzene	10.079	112	259050	49.044	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103569	50.731	ug/l	99
67) Ethyl Benzene	10.195	91	464106	48.098	ug/l	100
68) m/p-Xylenes	10.299	106	350447	97.341	ug/l	98
69) o-Xylene	10.640	106	175004	48.698	ug/l	98
70) Styrene	10.653	104	291362	49.141	ug/l	98
71) Bromoform	10.799	173	83687	50.639	ug/l #	100
73) Isopropylbenzene	10.963	105	458519	47.172	ug/l	99
74) N-amyl acetate	10.842	43	200506	44.235	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	154085	46.934	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	132645m	48.015	ug/l	
77) Bromobenzene	11.195	156	106865	48.276	ug/l	95
78) n-propylbenzene	11.305	91	531473	47.278	ug/l	99
79) 2-Chlorotoluene	11.366	91	316996	46.536	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	385570	47.416	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	53902	44.224	ug/l	85
82) 4-Chlorotoluene	11.451	91	365692	47.116	ug/l	99
83) tert-Butylbenzene	11.713	119	382597	47.894	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	386823	47.566	ug/l	98
85) sec-Butylbenzene	11.890	105	482321	48.414	ug/l	98
86) p-Isopropyltoluene	12.006	119	406256	49.559	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	201265	49.090	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	202229	49.703	ug/l	98
89) n-Butylbenzene	12.329	91	362261	49.366	ug/l	99
90) Hexachloroethane	12.536	117	77702	46.756	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	195753	49.478	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34884	45.726	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	126457	51.879	ug/l	96
94) Hexachlorobutadiene	13.725	225	50423	50.002	ug/l	99
95) Naphthalene	13.774	128	425912	50.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122780	51.106	ug/l	98

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

