

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022423\
 Data File : VX034269.D
 Acq On : 24 Feb 2023 17:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Feb 24 22:24:34 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	281833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	465394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	423381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	220449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180093	47.448	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.900%		
35) Dibromofluoromethane	5.385	113	154424	50.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.920%		
50) Toluene-d8	8.647	98	578793	53.201	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.400%		
62) 4-Bromofluorobenzene	11.079	95	228101	54.813	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	121032	49.698	ug/l	98
3) Chloromethane	1.300	50	168694	48.135	ug/l	95
4) Vinyl Chloride	1.374	62	177768	55.698	ug/l	100
5) Bromomethane	1.599	94	77923	66.592	ug/l	98
6) Chloroethane	1.678	64	102162	63.670	ug/l	100
7) Trichlorofluoromethane	1.886	101	268490	62.179	ug/l	97
8) Diethyl Ether	2.136	74	100540	57.795	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	145055	47.701	ug/l	96
10) Methyl Iodide	2.453	142	176883	47.773	ug/l	95
11) Tert butyl alcohol	2.959	59	187368	220.708	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	141116	46.293	ug/l	94
13) Acrolein	2.233	56	95630	246.771	ug/l	100
14) Allyl chloride	2.666	41	277555	42.924	ug/l	90
15) Acrylonitrile	3.062	53	445023	240.295	ug/l	99
16) Acetone	2.380	43	396717	202.617	ug/l	93
17) Carbon Disulfide	2.514	76	354821	40.485	ug/l	98
18) Methyl Acetate	2.703	43	295585	48.789	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	520252	48.356	ug/l	99
20) Methylene Chloride	2.788	84	163776	46.423	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	150193	47.020	ug/l	97
22) Diisopropyl ether	3.757	45	567553	50.065	ug/l	98
23) Vinyl Acetate	3.721	43	2203510	242.611	ug/l	100
24) 1,1-Dichloroethane	3.611	63	293795	47.208	ug/l	99
25) 2-Butanone	4.550	43	640784	226.185	ug/l	100
26) 2,2-Dichloropropane	4.477	77	253780	45.015	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	185297	48.988	ug/l	97
28) Bromochloromethane	4.897	49	133825	48.204	ug/l	89
29) Tetrahydrofuran	5.001	42	418504	242.154	ug/l	98
30) Chloroform	5.092	83	295666	49.476	ug/l	100
31) Cyclohexane	5.470	56	261468	46.140	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	258661	48.285	ug/l	99
36) 1,1-Dichloropropene	5.696	75	213290	47.595	ug/l	99
37) Ethyl Acetate	4.715	43	246083	49.135	ug/l	99
38) Carbon Tetrachloride	5.678	117	225211	48.838	ug/l	98
39) Methylcyclohexane	7.379	83	270048	46.827	ug/l	99
40) Benzene	6.037	78	658685	49.599	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	139767	50.088	ug/l	98
42) 1,2-Dichloroethane	6.086	62	226820	48.562	ug/l	100
43) Isopropyl Acetate	6.342	43	429200	48.563	ug/l	99
44) Trichloroethene	7.129	130	173342	50.863	ug/l	100
45) 1,2-Dichloropropane	7.427	63	175274	49.578	ug/l	97
46) Dibromomethane	7.580	93	116992	50.283	ug/l	88
47) Bromodichloromethane	7.824	83	232913	48.779	ug/l	97
48) Methyl methacrylate	7.690	41	203679	48.555	ug/l	98
49) 1,4-Dioxane	7.659	88	84827	1013.829	ug/l #	100
51) 4-Methyl-2-Pentanone	8.574	43	1303284	268.029	ug/l	99
52) Toluene	8.720	92	424713	52.780	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	271618	49.420	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	286430	48.680	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	173521	53.423	ug/l	98
56) Ethyl methacrylate	9.116	69	285105	51.888	ug/l	96
57) 1,3-Dichloropropane	9.305	76	297111	52.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	606337	254.740	ug/l	96
59) 2-Hexanone	9.427	43	994930	268.486	ug/l	98
60) Dibromochloromethane	9.519	129	188528	52.531	ug/l	100
61) 1,2-Dibromoethane	9.610	107	181977	52.975	ug/l	98
64) Tetrachloroethene	9.275	164	144529	48.368	ug/l	95
65) Chlorobenzene	10.079	112	455266	51.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	173218	50.700	ug/l	98
67) Ethyl Benzene	10.195	91	821264	51.798	ug/l	100
68) m/p-Xylenes	10.299	106	643703	106.089	ug/l	97
69) o-Xylene	10.640	106	320005	52.976	ug/l	97
70) Styrene	10.652	104	531267	54.077	ug/l	97
71) Bromoform	10.799	173	141623	50.784	ug/l #	100
73) Isopropylbenzene	10.963	105	825749	49.149	ug/l	100
74) N-amyl acetate	10.841	43	408830	48.436	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	279224	48.591	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	231398m	41.715	ug/l	
77) Bromobenzene	11.195	156	201652	49.875	ug/l	87
78) n-propylbenzene	11.305	91	973975	49.845	ug/l	98
79) 2-Chlorotoluene	11.366	91	583118	48.668	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	710270	50.283	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	95203	44.089	ug/l	94
82) 4-Chlorotoluene	11.451	91	687741	50.397	ug/l	96
83) tert-Butylbenzene	11.713	119	726864	50.243	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	714174	50.004	ug/l	97
85) sec-Butylbenzene	11.890	105	887571	50.521	ug/l	98
86) p-Isopropyltoluene	12.006	119	752960	51.787	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	387934	51.161	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	388527	50.800	ug/l	97
89) n-Butylbenzene	12.329	91	660812	51.028	ug/l	98
90) Hexachloroethane	12.536	117	142869	46.997	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	377934	50.942	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	59676	43.549	ug/l	81
93) 1,2,4-Trichlorobenzene	13.585	180	229747	48.235	ug/l	98
94) Hexachlorobutadiene	13.725	225	94756	47.989	ug/l	98
95) Naphthalene	13.774	128	778232	48.502	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	232222	49.109	ug/l	99

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

