

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033958.D
 Acq On : 31 Jan 2023 09:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2023
 Supervised By : Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 02:03:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	168641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	239720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80408	45.284	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.560%		
35) Dibromofluoromethane	5.379	113	75146	50.483	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.960%		
50) Toluene-d8	8.647	98	262625	48.423	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.840%		
62) 4-Bromofluorobenzene	11.079	95	100399	49.859	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57635	43.247	ug/l	98
3) Chloromethane	1.294	50	68974	46.855	ug/l	98
4) Vinyl Chloride	1.373	62	71124	49.786	ug/l	99
5) Bromomethane	1.611	94	35344	43.059	ug/l	98
6) Chloroethane	1.684	64	37562	42.529	ug/l	99
7) Trichlorofluoromethane	1.886	101	106213	45.845	ug/l	98
8) Diethyl Ether	2.129	74	42889	56.538	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	71009	53.139	ug/l	94
10) Methyl Iodide	2.453	142	98832	52.762	ug/l	93
11) Tert butyl alcohol	2.965	59	68169	220.997	ug/l #	84
12) 1,1-Dichloroethene	2.318	96	66830	48.703	ug/l	90
13) Acrolein	2.233	56	82499	289.872	ug/l	100
14) Allyl chloride	2.666	41	114956	44.417	ug/l	88
15) Acrylonitrile	3.056	53	202903	249.941	ug/l	99
16) Acetone	2.379	43	169214	262.865	ug/l	92
17) Carbon Disulfide	2.513	76	133885	38.971	ug/l	100
18) Methyl Acetate	2.696	43	123593	49.875	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	227146	47.661	ug/l	99
20) Methylene Chloride	2.788	84	77044	49.897	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	71993	44.879	ug/l	95
22) Diisopropyl ether	3.757	45	248745	47.769	ug/l	90
23) Vinyl Acetate	3.714	43	918756	234.376	ug/l	99
24) 1,1-Dichloroethane	3.605	63	133057	46.704	ug/l	99
25) 2-Butanone	4.550	43	267060	230.190	ug/l	96
26) 2,2-Dichloropropane	4.477	77	77124	37.792	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	89204	48.369	ug/l	94
28) Bromochloromethane	4.897	49	59594	45.922	ug/l	94
29) Tetrahydrofuran	5.001	42	176435	241.290	ug/l	97
30) Chloroform	5.092	83	139065	47.658	ug/l	100
31) Cyclohexane	5.464	56	112598	43.094	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	117152	47.024	ug/l	99
36) 1,1-Dichloropropene	5.690	75	98163	45.185	ug/l	98
37) Ethyl Acetate	4.702	43	104566	50.471	ug/l	99
38) Carbon Tetrachloride	5.671	117	106193	47.196	ug/l	99
39) Methylcyclohexane	7.378	83	117628	43.845	ug/l	97
40) Benzene	6.031	78	300362	47.434	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	61541	51.406	ug/l	98
42) 1,2-Dichloroethane	6.080	62	104496	46.566	ug/l	100
43) Isopropyl Acetate	6.330	43	165630	48.294	ug/l	97
44) Trichloroethene	7.122	130	89625	50.615	ug/l	98
45) 1,2-Dichloropropane	7.427	63	77507	48.862	ug/l	98
46) Dibromomethane	7.580	93	54282	48.992	ug/l	96
47) Bromodichloromethane	7.817	83	107570	50.378	ug/l	97
48) Methyl methacrylate	7.689	41	85272	49.358	ug/l	95
49) 1,4-Dioxane	7.683	88	34506	902.951	ug/l #	96
51) 4-Methyl-2-Pentanone	8.573	43	539448	256.113	ug/l	99
52) Toluene	8.714	92	197031	48.183	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	105500	49.406	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	117675	49.181	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	82319	50.856	ug/l	99
56) Ethyl methacrylate	9.116	69	121325	53.260	ug/l	96
57) 1,3-Dichloropropane	9.305	76	136065	51.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	283690	252.870	ug/l	98
59) 2-Hexanone	9.427	43	386444	263.603	ug/l	99
60) Dibromochloromethane	9.518	129	92304	55.004	ug/l	99
61) 1,2-Dibromoethane	9.610	107	86643	53.635	ug/l	97
64) Tetrachloroethene	9.274	164	81859	54.619	ug/l	96
65) Chlorobenzene	10.079	112	222511	50.363	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	87279	53.678	ug/l	99
67) Ethyl Benzene	10.189	91	381495	50.291	ug/l	99
68) m/p-Xylenes	10.299	106	304025	102.466	ug/l	98
69) o-Xylene	10.640	106	148482	50.461	ug/l	99
70) Styrene	10.652	104	251398	52.534	ug/l	100
71) Bromoform	10.799	173	73392	53.865	ug/l #	100
73) Isopropylbenzene	10.963	105	387265	51.084	ug/l	99
74) N-amyl acetate	10.841	43	141109	46.594	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	119298	54.038	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	107105m	50.545	ug/l	
77) Bromobenzene	11.195	156	106475	52.091	ug/l	98
78) n-propylbenzene	11.305	91	431255	45.825	ug/l	99
79) 2-Chlorotoluene	11.366	91	257421	50.674	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	324936	46.823	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	30907	45.331	ug/l	99
82) 4-Chlorotoluene	11.451	91	293860	50.534	ug/l	98
83) tert-Butylbenzene	11.713	119	335014	48.620	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	321585	48.988	ug/l	99
85) sec-Butylbenzene	11.890	105	406585	49.333	ug/l	100
86) p-Isopropyltoluene	12.006	119	351571	49.825	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	193258	49.593	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	194696	49.046	ug/l	100
89) n-Butylbenzene	12.329	91	282126	48.874	ug/l	99
90) Hexachloroethane	12.536	117	57743	49.749	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	192009	51.061	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23698	50.355	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	132726	52.399	ug/l	100
94) Hexachlorobutadiene	13.725	225	61505	49.570	ug/l	99
95) Naphthalene	13.774	128	387353	53.154	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	134537	53.081	ug/l	99

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

