

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053023\
 Data File : VX035895.D
 Acq On : 30 May 2023 09:26
 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 05/30/2023
 Supervised By : Mahesh Dadoda 05/31/2023

Quant Time: May 30 16:30:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	231544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	392616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	194007	47.150	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.300%		
35) Dibromofluoromethane	5.379	113	135701	50.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.640%		
50) Toluene-d8	8.647	98	492567	49.767	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.540%		
62) 4-Bromofluorobenzene	11.079	95	205131	52.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	136288	44.260	ug/l	99
3) Chloromethane	1.294	50	134584	42.389	ug/l	99
4) Vinyl Chloride	1.374	62	132717	43.517	ug/l	98
5) Bromomethane	1.611	94	76403	41.804	ug/l	99
6) Chloroethane	1.685	64	72110	42.316	ug/l	100
7) Trichlorofluoromethane	1.886	101	199716	43.638	ug/l	97
8) Diethyl Ether	2.130	74	74703	44.448	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	119449	44.033	ug/l	99
10) Methyl Iodide	2.447	142	125870	45.741	ug/l	100
11) Tert butyl alcohol	2.989	59	150502m	210.041	ug/l	
12) 1,1-Dichloroethene	2.319	96	111622	43.901	ug/l	96
13) Acrolein	2.233	56	151260	212.874	ug/l	98
14) Allyl chloride	2.660	41	228434	45.477	ug/l	99
15) Acrylonitrile	3.062	53	349859	213.456	ug/l	99
16) Acetone	2.386	43	452736	272.541	ug/l	99
17) Carbon Disulfide	2.508	76	289131	49.095	ug/l	99
18) Methyl Acetate	2.703	43	272447	42.476	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	431108	43.977	ug/l	99
20) Methylene Chloride	2.788	84	130293	42.886	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	123143	43.934	ug/l	96
22) Diisopropyl ether	3.757	45	439867	43.609	ug/l	90
23) Vinyl Acetate	3.715	43	1610516	229.210	ug/l	99
24) 1,1-Dichloroethane	3.605	63	243196	43.690	ug/l	99
25) 2-Butanone	4.556	43	568967	236.789	ug/l	100
26) 2,2-Dichloropropane	4.471	77	212721	49.557	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	144189	44.224	ug/l	99
28) Bromochloromethane	4.891	49	133603	49.531	ug/l	96
29) Tetrahydrofuran	5.001	42	331237	213.073	ug/l	100
30) Chloroform	5.086	83	253508	44.393	ug/l	99
31) Cyclohexane	5.464	56	208951	42.755	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	228709	46.351	ug/l	100
36) 1,1-Dichloropropene	5.684	75	184571	45.071	ug/l	99
37) Ethyl Acetate	4.702	43	196758	44.384	ug/l	99
38) Carbon Tetrachloride	5.672	117	191169	49.529	ug/l	96
39) Methylcyclohexane	7.379	83	217915	46.637	ug/l	98
40) Benzene	6.031	78	516339	45.017	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	115002	45.572	ug/l	100
42) 1,2-Dichloroethane	6.080	62	220956	45.607	ug/l	100
43) Isopropyl Acetate	6.336	43	328303	46.215	ug/l	100
44) Trichloroethene	7.123	130	133004	46.550	ug/l	99
45) 1,2-Dichloropropane	7.427	63	135711	44.867	ug/l	97
46) Dibromomethane	7.574	93	95788	46.120	ug/l	100
47) Bromodichloromethane	7.818	83	194475	50.237	ug/l	99
48) Methyl methacrylate	7.690	41	164124	45.008	ug/l	98
49) 1,4-Dioxane	7.714	88	64519	829.099	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1001614	226.502	ug/l	100
52) Toluene	8.714	92	326713	45.353	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	213173	53.324	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	226966	52.015	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	131803	46.152	ug/l	98
56) Ethyl methacrylate	9.116	69	211954	47.137	ug/l	99
57) 1,3-Dichloropropane	9.305	76	231956	44.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	533826	224.382	ug/l	100
59) 2-Hexanone	9.427	43	790670	236.558	ug/l	100
60) Dibromochloromethane	9.519	129	141665	54.214	ug/l	99
61) 1,2-Dibromoethane	9.610	107	143493	47.714	ug/l	98
64) Tetrachloroethene	9.269	164	110107	45.547	ug/l	97
65) Chlorobenzene	10.079	112	348010	45.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	131028	50.230	ug/l	99
67) Ethyl Benzene	10.189	91	651994	46.219	ug/l	99
68) m/p-Xylenes	10.299	106	491411	94.156	ug/l	99
69) o-Xylene	10.640	106	239993	46.287	ug/l	99
70) Styrene	10.653	104	406762	47.756	ug/l	99
71) Bromoform	10.799	173	92817	55.034	ug/l #	98
73) Isopropylbenzene	10.963	105	641406	44.599	ug/l	98
74) N-amyl acetate	10.841	43	283031	45.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	204619	43.529	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	178003m	40.225	ug/l	
77) Bromobenzene	11.195	156	146187	45.064	ug/l	98
78) n-propylbenzene	11.305	91	770272	45.953	ug/l	99
79) 2-Chlorotoluene	11.366	91	467693	44.013	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	554095	45.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	63492	47.725	ug/l	96
82) 4-Chlorotoluene	11.451	91	545954	45.149	ug/l	98
83) tert-Butylbenzene	11.713	119	535990	45.568	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	556174	45.325	ug/l	99
85) sec-Butylbenzene	11.890	105	679523	46.227	ug/l	99
86) p-Isopropyltoluene	12.006	119	574469	46.738	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	281582	45.478	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	281176	44.084	ug/l	99
89) n-Butylbenzene	12.329	91	524406	48.539	ug/l	100
90) Hexachloroethane	12.536	117	95277	53.581	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	272753	44.600	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47951	48.745	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	166867	46.406	ug/l	100
94) Hexachlorobutadiene	13.725	225	68348	47.405	ug/l	98
95) Naphthalene	13.774	128	562138	44.997	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	161072	44.950	ug/l	99

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

