

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042101.D
 Acq On : 01 Jul 2024 09:57
 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 07/02/2024
 Supervised By : Mahesh Dadoda 07/02/2024

Quant Time: Jul 01 16:05:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	169358	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	243647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88041	45.082	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.160%		
35) Dibromofluoromethane	5.379	113	80842	46.762	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.520%		
50) Toluene-d8	8.647	98	268523	44.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.420%#		
62) 4-Bromofluorobenzene	11.079	95	108504	48.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	75434	58.465	ug/l	97
3) Chloromethane	1.300	50	82888	51.208	ug/l	100
4) Vinyl Chloride	1.374	62	79215	48.822	ug/l	99
5) Bromomethane	1.599	94	49125	61.314	ug/l	99
6) Chloroethane	1.666	64	40190	60.216	ug/l	96
7) Trichlorofluoromethane	1.867	101	109138	51.340	ug/l	98
8) Diethyl Ether	2.136	74	51410	51.520	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.319	101	78201	53.402	ug/l	86
10) Methyl Iodide	2.447	142	101427	55.726	ug/l	# 86
11) Tert butyl alcohol	2.995	59	97463	262.966	ug/l	# 94
12) 1,1-Dichloroethene	2.312	96	76405	52.306	ug/l	# 79
13) Acrolein	2.239	56	125700	302.557	ug/l	97
14) Allyl chloride	2.660	41	128153	55.319	ug/l	88
15) Acrylonitrile	3.068	53	253060	261.402	ug/l	99
16) Acetone	2.386	43	223504	260.638	ug/l	# 88
17) Carbon Disulfide	2.501	76	176673	59.318	ug/l	99
18) Methyl Acetate	2.709	43	105589	45.137	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	273956	56.769	ug/l	100
20) Methylene Chloride	2.788	84	93818	49.965	ug/l	# 87
21) trans-1,2-Dichloroethene	3.087	96	79984	53.952	ug/l	86
22) Diisopropyl ether	3.763	45	260085	53.114	ug/l	# 84
23) Vinyl Acetate	3.721	43	1213927	290.282	ug/l	# 93
24) 1,1-Dichloroethane	3.605	63	145528	53.070	ug/l	96
25) 2-Butanone	4.562	43	348899	261.524	ug/l	92
26) 2,2-Dichloropropane	4.471	77	114114	57.465	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	101369	54.594	ug/l	85
28) Bromochloromethane	4.897	49	55332	47.110	ug/l	# 70
29) Tetrahydrofuran	5.007	42	221468	257.041	ug/l	92
30) Chloroform	5.086	83	153141	53.604	ug/l	94
31) Cyclohexane	5.464	56	119209	52.196	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	127854	53.558	ug/l	96
36) 1,1-Dichloropropene	5.684	75	97694	53.215	ug/l	95
37) Ethyl Acetate	4.714	43	132786	55.526	ug/l	98
38) Carbon Tetrachloride	5.672	117	112044	55.238	ug/l	100
39) Methylcyclohexane	7.373	83	130652	56.274	ug/l	92
40) Benzene	6.031	78	331739	53.579	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	72232	55.720	ug/l	92
42) 1,2-Dichloroethane	6.080	62	109992	55.151	ug/l	90
43) Isopropyl Acetate	6.342	43	198056	53.955	ug/l #	93
44) Trichloroethene	7.123	130	90077	54.275	ug/l	86
45) 1,2-Dichloropropane	7.427	63	83689	54.971	ug/l	99
46) Dibromomethane	7.580	93	63324	57.086	ug/l #	75
47) Bromodichloromethane	7.818	83	117692	57.789	ug/l	99
48) Methyl methacrylate	7.690	41	99191	56.621	ug/l #	84
49) 1,4-Dioxane	7.665	88	48869	1053.180	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	671136	265.423	ug/l	94
52) Toluene	8.714	92	214947	54.518	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	123109	56.825	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	135519	60.779	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	92209	56.140	ug/l	97
56) Ethyl methacrylate	9.116	69	148757	58.217	ug/l #	86
57) 1,3-Dichloropropane	9.305	76	148087	55.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315727	265.149	ug/l	92
59) 2-Hexanone	9.433	43	521677	269.371	ug/l	91
60) Dibromochloromethane	9.518	129	109279	61.251	ug/l	99
61) 1,2-Dibromoethane	9.610	107	98424	57.782	ug/l	100
64) Tetrachloroethene	9.269	164	88037	53.405	ug/l	91
65) Chlorobenzene	10.079	112	253703	53.879	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	93589	56.768	ug/l	99
67) Ethyl Benzene	10.189	91	402869	54.593	ug/l	98
68) m/p-Xylenes	10.299	106	328918	110.416	ug/l	90
69) o-Xylene	10.640	106	162722	55.174	ug/l	92
70) Styrene	10.652	104	284666	57.561	ug/l	93
71) Bromoform	10.799	173	90609	56.526	ug/l #	99
73) Isopropylbenzene	10.963	105	410494	52.010	ug/l	96
74) N-amyl acetate	10.841	43	183242	52.267	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	146941	50.070	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	119003m	50.501	ug/l	
77) Bromobenzene	11.195	156	124319	52.888	ug/l	78
78) n-propylbenzene	11.305	91	450863	52.648	ug/l	95
79) 2-Chlorotoluene	11.366	91	281712	51.058	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	349872	53.221	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	48044	57.901	ug/l #	84
82) 4-Chlorotoluene	11.451	91	326604	53.547	ug/l	92
83) tert-Butylbenzene	11.713	119	374719	51.948	ug/l	89
84) 1,2,4-Trimethylbenzene	11.750	105	356747	54.090	ug/l	91
85) sec-Butylbenzene	11.890	105	431824	52.927	ug/l	95
86) p-Isopropyltoluene	12.006	119	388848	54.559	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	220900	53.465	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	223738	52.778	ug/l	95
89) n-Butylbenzene	12.329	91	302297	55.100	ug/l	96
90) Hexachloroethane	12.536	117	65618	54.078	ug/l #	55
91) 1,2-Dichlorobenzene	12.335	146	225911	53.434	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31476	54.122	ug/l #	46
93) 1,2,4-Trichlorobenzene	13.585	180	157993	57.046	ug/l	95
94) Hexachlorobutadiene	13.725	225	74422	53.140	ug/l	99
95) Naphthalene	13.774	128	481092	51.669	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	162525	55.640	ug/l	95

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

