

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042255.D
 Acq On : 10 Jul 2024 10:18
 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 07/11/2024
 Supervised By : Mahesh Dadoda 07/11/2024

Quant Time: Jul 11 00:50:49 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	169372	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	234218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79308	40.607	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	81.220%		
35) Dibromofluoromethane	5.385	113	75131	45.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.420%		
50) Toluene-d8	8.647	98	252746	43.291	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.580%#		
62) 4-Bromofluorobenzene	11.079	95	98949	45.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.960%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	75545	58.547	ug/l	99
3) Chloromethane	1.300	50	75957	46.923	ug/l	99
4) Vinyl Chloride	1.374	62	76805	47.332	ug/l	99
5) Bromomethane	1.599	94	44273	55.253	ug/l	94
6) Chloroethane	1.666	64	42103	63.233	ug/l	100
7) Trichlorofluoromethane	1.873	101	124334	58.483	ug/l	97
8) Diethyl Ether	2.136	74	45681	45.775	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.319	101	80145	54.725	ug/l #	85
10) Methyl Iodide	2.447	142	90377	49.651	ug/l #	88
11) Tert butyl alcohol	2.989	59	91916	247.979	ug/l #	94
12) 1,1-Dichloroethene	2.306	96	76345	52.261	ug/l	82
13) Acrolein	2.239	56	86887	209.118	ug/l	98
14) Allyl chloride	2.660	41	116026	50.080	ug/l	88
15) Acrylonitrile	3.068	53	236070	243.832	ug/l	99
16) Acetone	2.392	43	206986	241.356	ug/l #	88
17) Carbon Disulfide	2.501	76	155485	52.200	ug/l	99
18) Methyl Acetate	2.709	43	102774	43.930	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	245666	50.903	ug/l	100
20) Methylene Chloride	2.782	84	86341	45.979	ug/l	87
21) trans-1,2-Dichloroethene	3.087	96	77052	51.970	ug/l	85
22) Diisopropyl ether	3.763	45	243018	49.624	ug/l	86
23) Vinyl Acetate	3.721	43	1086774	259.855	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	140155	51.106	ug/l	97
25) 2-Butanone	4.562	43	321097	240.665	ug/l	94
26) 2,2-Dichloropropane	4.471	77	107547	54.154	ug/l	92
27) cis-1,2-Dichloroethene	4.483	96	94209	50.734	ug/l	88
28) Bromochloromethane	4.891	49	51093	43.497	ug/l #	71
29) Tetrahydrofuran	5.007	42	207504	240.814	ug/l	93
30) Chloroform	5.092	83	145530	50.936	ug/l	96
31) Cyclohexane	5.464	56	117963	51.646	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	127015	53.203	ug/l	96
36) 1,1-Dichloropropene	5.684	75	96877	54.895	ug/l	94
37) Ethyl Acetate	4.714	43	121146	52.698	ug/l	97
38) Carbon Tetrachloride	5.672	117	113209	58.059	ug/l	99
39) Methylcyclohexane	7.379	83	129196	57.887	ug/l	91
40) Benzene	6.031	78	318621	53.532	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	66744	53.559	ug/l	92
42) 1,2-Dichloroethane	6.080	62	102556	53.493	ug/l	91
43) Isopropyl Acetate	6.342	43	181257	51.367	ug/l #	94
44) Trichloroethene	7.123	130	87739	54.994	ug/l	88
45) 1,2-Dichloropropane	7.427	63	77944	53.258	ug/l	99
46) Dibromomethane	7.580	93	57905	54.303	ug/l #	76
47) Bromodichloromethane	7.818	83	108418	55.378	ug/l	99
48) Methyl methacrylate	7.696	41	89194	52.964	ug/l #	85
49) 1,4-Dioxane	7.659	88	41916	941.849	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	622795	256.221	ug/l	95
52) Toluene	8.714	92	207107	54.644	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	109255	52.641	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	123436	57.589	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	84013	53.209	ug/l	98
56) Ethyl methacrylate	9.116	69	131979	53.730	ug/l #	87
57) 1,3-Dichloropropane	9.305	76	136505	53.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	305025	266.474	ug/l	93
59) 2-Hexanone	9.433	43	477946	256.725	ug/l	91
60) Dibromochloromethane	9.518	129	97263	56.711	ug/l	99
61) 1,2-Dibromoethane	9.610	107	88057	53.777	ug/l	98
64) Tetrachloroethene	9.275	164	86393	55.815	ug/l	90
65) Chlorobenzene	10.079	112	238222	53.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	86493	55.875	ug/l	99
67) Ethyl Benzene	10.189	91	389723	56.245	ug/l	99
68) m/p-Xylenes	10.299	106	314080	112.290	ug/l	92
69) o-Xylene	10.640	106	154270	55.709	ug/l	93
70) Styrene	10.652	104	265691	57.216	ug/l	94
71) Bromoform	10.799	173	80197	53.470	ug/l #	99
73) Isopropylbenzene	10.963	105	398839	53.930	ug/l	97
74) N-amyl acetate	10.841	43	162873	49.580	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	131823	47.938	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	107498m	48.685	ug/l	
77) Bromobenzene	11.195	156	112218	50.948	ug/l	78
78) n-propylbenzene	11.305	91	443239	55.237	ug/l	96
79) 2-Chlorotoluene	11.366	91	270999	52.418	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	338300	54.920	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	41412	53.262	ug/l	86
82) 4-Chlorotoluene	11.451	91	307195	53.750	ug/l	92
83) tert-Butylbenzene	11.713	119	356240	52.705	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	341551	55.267	ug/l	94
85) sec-Butylbenzene	11.890	105	425372	55.640	ug/l	95
86) p-Isopropyltoluene	12.006	119	376746	56.414	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	204857	52.914	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	205761	51.800	ug/l	95
89) n-Butylbenzene	12.329	91	297065	57.786	ug/l	97
90) Hexachloroethane	12.536	117	62305	54.799	ug/l #	58
91) 1,2-Dichlorobenzene	12.335	146	206939	52.237	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28759	52.774	ug/l #	50
93) 1,2,4-Trichlorobenzene	13.585	180	143330	55.230	ug/l	95
94) Hexachlorobutadiene	13.725	225	71629	54.583	ug/l	98
95) Naphthalene	13.774	128	427291	49.015	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	147719	53.971	ug/l	96

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

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