

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042099.D
 Acq On : 28 Jun 2024 20:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2024
 Supervised By : Mahesh Dadoda 07/01/2024

Quant Time: Jun 29 04:25:52 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	170689	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	250919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88399	44.912	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.820%		
35) Dibromofluoromethane	5.391	113	84956	47.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	8.647	98	287302	45.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.860%#		
62) 4-Bromofluorobenzene	11.079	95	110983	48.136	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	81978	63.042	ug/l	100
3) Chloromethane	1.300	50	88704	54.374	ug/l	99
4) Vinyl Chloride	1.374	62	87643	53.595	ug/l	97
5) Bromomethane	1.593	94	47132	58.367	ug/l	97
6) Chloroethane	1.666	64	43331	64.645	ug/l	100
7) Trichlorofluoromethane	1.867	101	130805	61.052	ug/l	97
8) Diethyl Ether	2.136	74	49200	48.921	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.319	101	79555	53.903	ug/l #	85
10) Methyl Iodide	2.440	142	108656	59.233	ug/l #	87
11) Tert butyl alcohol	2.995	59	97035	259.770	ug/l #	92
12) 1,1-Dichloroethene	2.306	96	82462	56.013	ug/l #	80
13) Acrolein	2.239	56	80999	193.442	ug/l	99
14) Allyl chloride	2.660	41	120053	51.418	ug/l	88
15) Acrylonitrile	3.068	53	255360	261.721	ug/l	99
16) Acetone	2.392	43	221936	256.792	ug/l #	87
17) Carbon Disulfide	2.501	76	184514	61.468	ug/l	99
18) Methyl Acetate	2.709	43	107215	45.475	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	262912	54.056	ug/l	99
20) Methylene Chloride	2.782	84	96899	51.203	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	82489	55.208	ug/l	85
22) Diisopropyl ether	3.763	45	256663	52.006	ug/l	89
23) Vinyl Acetate	3.727	43	1106120	262.440	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	147457	53.354	ug/l	98
25) 2-Butanone	4.568	43	349228	259.730	ug/l	93
26) 2,2-Dichloropropane	4.471	77	80616	40.280	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	101829	54.414	ug/l	83
28) Bromochloromethane	4.897	49	55421	46.818	ug/l #	69
29) Tetrahydrofuran	5.013	42	228552	263.195	ug/l	92
30) Chloroform	5.092	83	152905	53.104	ug/l	99
31) Cyclohexane	5.464	56	126069	54.769	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	133120	55.330	ug/l	95
36) 1,1-Dichloropropene	5.690	75	101544	53.710	ug/l	94
37) Ethyl Acetate	4.721	43	130312	52.912	ug/l	97
38) Carbon Tetrachloride	5.672	117	116072	55.566	ug/l	99
39) Methylcyclohexane	7.379	83	133571	55.863	ug/l	91
40) Benzene	6.037	78	340759	53.441	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	71160	53.302	ug/l	91
42) 1,2-Dichloroethane	6.086	62	107528	52.353	ug/l	91
43) Isopropyl Acetate	6.348	43	193329	51.141	ug/l #	93
44) Trichloroethene	7.123	130	95399	55.816	ug/l	85
45) 1,2-Dichloropropane	7.433	63	82488	52.612	ug/l	97
46) Dibromomethane	7.580	93	61558	53.886	ug/l #	75
47) Bromodichloromethane	7.824	83	114216	54.457	ug/l	95
48) Methyl methacrylate	7.696	41	96457	53.464	ug/l #	84
49) 1,4-Dioxane	7.665	88	54145	1131.554	ug/l #	78
51) 4-Methyl-2-Pentanone	8.573	43	669287	257.021	ug/l	93
52) Toluene	8.720	92	221272	54.495	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	112130	50.522	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	124410	54.180	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	90506	53.506	ug/l	97
56) Ethyl methacrylate	9.116	69	144946	55.082	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	146715	53.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	324672	264.759	ug/l	91
59) 2-Hexanone	9.433	43	521587	261.519	ug/l	91
60) Dibromochloromethane	9.518	129	103800	56.494	ug/l	99
61) 1,2-Dibromoethane	9.610	107	96114	54.791	ug/l	99
64) Tetrachloroethene	9.275	164	109149	65.464	ug/l	90
65) Chlorobenzene	10.079	112	256565	53.871	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	93202	55.895	ug/l	98
67) Ethyl Benzene	10.195	91	416811	55.845	ug/l	98
68) m/p-Xylenes	10.299	106	336970	111.842	ug/l	91
69) o-Xylene	10.640	106	167161	56.039	ug/l	92
70) Styrene	10.652	104	283959	56.769	ug/l	94
71) Bromoform	10.799	173	85118	52.730	ug/l #	98
73) Isopropylbenzene	10.963	105	426859	56.152	ug/l	97
74) N-amyl acetate	10.841	43	177296	52.505	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	142055	50.257	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	113187m	49.869	ug/l	
77) Bromobenzene	11.195	156	122269	54.005	ug/l	77
78) n-propylbenzene	11.305	91	458327	55.567	ug/l	95
79) 2-Chlorotoluene	11.366	91	286018	53.821	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	354320	55.959	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	39550	49.487	ug/l	87
82) 4-Chlorotoluene	11.457	91	319995	54.470	ug/l	91
83) tert-Butylbenzene	11.713	119	362945	52.240	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	360090	56.685	ug/l	93
85) sec-Butylbenzene	11.890	105	442767	56.343	ug/l	95
86) p-Isopropyltoluene	12.006	119	390552	56.894	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	217151	54.567	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	215631	52.811	ug/l	95
89) n-Butylbenzene	12.335	91	294620	55.755	ug/l	97
90) Hexachloroethane	12.536	117	65097	55.700	ug/l #	56
91) 1,2-Dichlorobenzene	12.335	146	219975	54.020	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30923	55.205	ug/l #	46
93) 1,2,4-Trichlorobenzene	13.585	180	146391	54.878	ug/l	95
94) Hexachlorobutadiene	13.725	225	73095	54.188	ug/l	98
95) Naphthalene	13.774	128	457595	51.035	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	154176	54.801	ug/l	96

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

