

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070224\
 Data File : VX042128.D
 Acq On : 02 Jul 2024 10:39
 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 07/03/2024
 Supervised By : Semsettin Yesilyurt 07/03/2024

Quant Time: Jul 03 03:28:41 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	168736	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	235624	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	120276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83984	43.163	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.320%		
35) Dibromofluoromethane	5.385	113	79259	47.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.820%		
50) Toluene-d8	8.647	98	265346	45.178	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.360%#		
62) 4-Bromofluorobenzene	11.079	95	103929	48.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	79087	61.523	ug/l	100
3) Chloromethane	1.300	50	79696	49.418	ug/l	99
4) Vinyl Chloride	1.374	62	80884	50.034	ug/l	99
5) Bromomethane	1.599	94	48187	60.365	ug/l	97
6) Chloroethane	1.666	64	37959	56.912	ug/l	100
7) Trichlorofluoromethane	1.867	101	114908	54.253	ug/l	97
8) Diethyl Ether	2.136	74	50029	50.321	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.312	101	83818	57.449	ug/l #	85
10) Methyl Iodide	2.440	142	98885	54.530	ug/l #	86
11) Tert butyl alcohol	3.001	59	91326	247.316	ug/l #	93
12) 1,1-Dichloroethene	2.306	96	79821	54.847	ug/l	82
13) Acrolein	2.239	56	134048	323.840	ug/l	98
14) Allyl chloride	2.654	41	124023	53.734	ug/l #	88
15) Acrylonitrile	3.068	53	239094	247.886	ug/l	99
16) Acetone	2.392	43	220946	258.605	ug/l #	87
17) Carbon Disulfide	2.501	76	176838	59.593	ug/l	99
18) Methyl Acetate	2.709	43	101168	43.407	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	265303	55.179	ug/l	100
20) Methylene Chloride	2.782	84	88295	47.197	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	82264	55.695	ug/l	84
22) Diisopropyl ether	3.763	45	254656	52.197	ug/l #	84
23) Vinyl Acetate	3.721	43	1166509	279.971	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	145662	53.314	ug/l	96
25) 2-Butanone	4.562	43	329208	247.674	ug/l	92
26) 2,2-Dichloropropane	4.471	77	118865	60.078	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	100878	54.530	ug/l	86
28) Bromochloromethane	4.897	49	52272	44.669	ug/l #	69
29) Tetrahydrofuran	5.007	42	210059	244.698	ug/l	92
30) Chloroform	5.086	83	151085	53.079	ug/l	98
31) Cyclohexane	5.464	56	126374	55.537	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	131333	55.219	ug/l	95
36) 1,1-Dichloropropene	5.690	75	102724	57.861	ug/l	95
37) Ethyl Acetate	4.714	43	123643	53.463	ug/l	96
38) Carbon Tetrachloride	5.666	117	116780	59.533	ug/l	99
39) Methylcyclohexane	7.373	83	139609	62.179	ug/l	92
40) Benzene	6.031	78	334877	55.927	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68433	54.587	ug/l	92
42) 1,2-Dichloroethane	6.080	62	107689	55.835	ug/l	90
43) Isopropyl Acetate	6.342	43	189027	53.249	ug/l #	93
44) Trichloroethene	7.123	130	93095	58.003	ug/l	90
45) 1,2-Dichloropropane	7.427	63	82066	55.740	ug/l	99
46) Dibromomethane	7.580	93	60764	56.644	ug/l #	74
47) Bromodichloromethane	7.818	83	112099	56.917	ug/l	98
48) Methyl methacrylate	7.696	41	92866	54.815	ug/l #	84
49) 1,4-Dioxane	7.665	88	43205	964.529	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	625510	255.802	ug/l	93
52) Toluene	8.714	92	215096	56.413	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	116415	55.619	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	129335	59.981	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	87443	55.051	ug/l	97
56) Ethyl methacrylate	9.116	69	141063	57.086	ug/l #	86
57) 1,3-Dichloropropane	9.305	76	140811	54.871	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	312762	271.602	ug/l	92
59) 2-Hexanone	9.433	43	484765	258.834	ug/l	91
60) Dibromochloromethane	9.518	129	100668	58.346	ug/l	100
61) 1,2-Dibromoethane	9.610	107	93115	56.527	ug/l	100
64) Tetrachloroethene	9.269	164	90584	58.874	ug/l	91
65) Chlorobenzene	10.079	112	247572	56.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	90204	58.622	ug/l	99
67) Ethyl Benzene	10.189	91	402658	58.461	ug/l	99
68) m/p-Xylenes	10.299	106	325279	116.992	ug/l	91
69) o-Xylene	10.640	106	158911	57.730	ug/l	93
70) Styrene	10.652	104	274744	59.521	ug/l	94
71) Bromoform	10.799	173	82898	55.475	ug/l #	99
73) Isopropylbenzene	10.963	105	413887	56.594	ug/l	97
74) N-amyl acetate	10.841	43	171066	52.660	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	137896	50.711	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	111989m	51.289	ug/l	
77) Bromobenzene	11.195	156	119000	54.635	ug/l	78
78) n-propylbenzene	11.305	91	456592	57.541	ug/l	96
79) 2-Chlorotoluene	11.366	91	277029	54.187	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	346158	56.827	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	43016	55.948	ug/l #	84
82) 4-Chlorotoluene	11.451	91	316914	56.075	ug/l	92
83) tert-Butylbenzene	11.713	119	366967	54.903	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	351071	57.446	ug/l	93
85) sec-Butylbenzene	11.890	105	436566	57.747	ug/l	95
86) p-Isopropyltoluene	12.006	119	387535	58.682	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	213326	55.722	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	214002	54.480	ug/l	95
89) n-Butylbenzene	12.329	91	303297	59.662	ug/l	97
90) Hexachloroethane	12.536	117	64223	57.121	ug/l	61
91) 1,2-Dichlorobenzene	12.335	146	217148	55.430	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	29017	53.847	ug/l #	48
93) 1,2,4-Trichlorobenzene	13.585	180	151329	58.968	ug/l	95
94) Hexachlorobutadiene	13.725	225	74975	57.776	ug/l	99
95) Naphthalene	13.774	128	455652	52.797	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	155355	57.399	ug/l	95

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

