

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042016.D
 Acq On : 24 Jun 2024 19:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2024
 Supervised By : Mahesh Dadoda 06/25/2024

Quant Time: Jun 25 06:16:14 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	174368	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	254801	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94365	46.932	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.860%		
35) Dibromofluoromethane	5.385	113	87606	48.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.920%		
50) Toluene-d8	8.647	98	306502	48.257	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.079	95	117148	50.036	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	60509	45.550	ug/l	99
3) Chloromethane	1.300	50	69856	41.917	ug/l	94
4) Vinyl Chloride	1.374	62	74507	44.601	ug/l	100
5) Bromomethane	1.593	94	40454	49.040	ug/l	98
6) Chloroethane	1.666	64	43934	64.137	ug/l	98
7) Trichlorofluoromethane	1.867	101	119532	54.614	ug/l	99
8) Diethyl Ether	2.136	74	49775	48.448	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.319	101	75190	49.871	ug/l	87
10) Methyl Iodide	2.440	142	105911	56.518	ug/l #	85
11) Tert butyl alcohol	2.995	59	93632	245.371	ug/l #	91
12) 1,1-Dichloroethene	2.306	96	72819	48.419	ug/l	85
13) Acrolein	2.239	56	85611	200.143	ug/l	96
14) Allyl chloride	2.660	41	117628	49.317	ug/l	87
15) Acrylonitrile	3.068	53	262470	263.333	ug/l	99
16) Acetone	2.392	43	213252	241.538	ug/l	90
17) Carbon Disulfide	2.501	76	124608	40.635	ug/l	99
18) Methyl Acetate	2.709	43	137974	57.287	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	261978	52.727	ug/l	99
20) Methylene Chloride	2.788	84	88685	45.874	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	72629	47.583	ug/l	86
22) Diisopropyl ether	3.763	45	263088	52.183	ug/l	88
23) Vinyl Acetate	3.721	43	1118154	259.697	ug/l #	95
24) 1,1-Dichloroethane	3.605	63	145964	51.699	ug/l	97
25) 2-Butanone	4.568	43	355010	258.459	ug/l	93
26) 2,2-Dichloropropane	4.477	77	96553	47.225	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	97132	50.809	ug/l	86
28) Bromochloromethane	4.897	49	61155	50.572	ug/l #	74
29) Tetrahydrofuran	5.013	42	230490	259.826	ug/l	94
30) Chloroform	5.092	83	154962	52.683	ug/l	99
31) Cyclohexane	5.464	56	109449	46.545	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	129107	52.529	ug/l	96
36) 1,1-Dichloropropene	5.690	75	92800	48.337	ug/l	94
37) Ethyl Acetate	4.721	43	131585	52.615	ug/l	98
38) Carbon Tetrachloride	5.672	117	108363	51.085	ug/l	98
39) Methylcyclohexane	7.379	83	114783	47.274	ug/l	90
40) Benzene	6.037	78	324327	50.089	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	74809	55.182	ug/l	91
42) 1,2-Dichloroethane	6.086	62	107293	51.443	ug/l	92
43) Isopropyl Acetate	6.348	43	198174	51.624	ug/l	95
44) Trichloroethene	7.123	130	86500	49.838	ug/l	90
45) 1,2-Dichloropropane	7.433	63	82920	52.082	ug/l	98
46) Dibromomethane	7.580	93	59931	51.663	ug/l #	77
47) Bromodichloromethane	7.824	83	114486	53.754	ug/l	96
48) Methyl methacrylate	7.696	41	98956	54.014	ug/l	86
49) 1,4-Dioxane	7.665	88	48212	994.666	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	708289	267.854	ug/l	95
52) Toluene	8.720	92	211319	51.251	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	111242	49.407	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	124720	53.487	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	91637	53.350	ug/l	97
56) Ethyl methacrylate	9.116	69	145263	54.361	ug/l #	88
57) 1,3-Dichloropropane	9.311	76	146578	52.819	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	334015	268.228	ug/l	94
59) 2-Hexanone	9.433	43	544979	269.084	ug/l	92
60) Dibromochloromethane	9.525	129	103040	55.226	ug/l	99
61) 1,2-Dibromoethane	9.610	107	94650	53.134	ug/l	100
64) Tetrachloroethene	9.275	164	82218	48.050	ug/l	90
65) Chlorobenzene	10.079	112	249354	51.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	92352	53.969	ug/l	99
67) Ethyl Benzene	10.195	91	401548	52.424	ug/l	97
68) m/p-Xylenes	10.299	106	319990	103.489	ug/l	92
69) o-Xylene	10.640	106	161523	52.764	ug/l	92
70) Styrene	10.652	104	278572	54.268	ug/l	94
71) Bromoform	10.799	173	84006	50.825	ug/l #	100
73) Isopropylbenzene	10.963	105	418529	53.183	ug/l	97
74) N-amyl acetate	10.841	43	179264	51.282	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	151404	51.742	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	119833m	51.001	ug/l	
77) Bromobenzene	11.195	156	120146	51.262	ug/l	79
78) n-propylbenzene	11.305	91	455862	53.387	ug/l	96
79) 2-Chlorotoluene	11.366	91	284766	51.762	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	346048	52.793	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	41757	50.471	ug/l	87
82) 4-Chlorotoluene	11.457	91	321541	52.871	ug/l	92
83) tert-Butylbenzene	11.713	119	387134	53.826	ug/l	89
84) 1,2,4-Trimethylbenzene	11.750	105	354442	53.898	ug/l	93
85) sec-Butylbenzene	11.890	105	441081	54.219	ug/l	96
86) p-Isopropyltoluene	12.012	119	384877	54.159	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	212727	51.637	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	213577	50.528	ug/l	95
89) n-Butylbenzene	12.335	91	295592	54.036	ug/l	97
90) Hexachloroethane	12.536	117	64285	53.134	ug/l	60
91) 1,2-Dichlorobenzene	12.335	146	220564	52.322	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31619	54.527	ug/l #	52
93) 1,2,4-Trichlorobenzene	13.585	180	146555	53.070	ug/l	96
94) Hexachlorobutadiene	13.725	225	73260	52.463	ug/l	99
95) Naphthalene	13.774	128	462276	49.821	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	153061	52.553	ug/l	95

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

