

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
 Data File : VX028044.D
 Acq On : 08 Apr 2022 21:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 11 01:20:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 18:12:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	58853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	84051	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30202	33.806	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	67.620%		
35) Dibromofluoromethane	5.391	113	27052	47.948	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.900%		
50) Toluene-d8	8.653	98	123075	61.138	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	122.280%		
62) 4-Bromofluorobenzene	11.079	95	63796	74.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	149.100%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48802	58.594	ug/l	99
3) Chloromethane	1.288	50	39234	59.862	ug/l	98
4) Vinyl Chloride	1.374	62	34633	50.774	ug/l	97
5) Bromomethane	1.599	94	10718	36.072	ug/l	93
6) Chloroethane	1.678	64	12420	31.600	ug/l	99
7) Trichlorofluoromethane	1.886	101	45410	39.959	ug/l	96
8) Diethyl Ether	2.136	74	11497	32.122	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	32292	47.548	ug/l	92
10) Methyl Iodide	2.453	142	28064	35.837	ug/l	97
11) Tert butyl alcohol	2.965	59	34013	216.077	ug/l	99
12) 1,1-Dichloroethene	2.319	96	30702	48.058	ug/l	90
13) Acrolein	2.233	56	25543	177.469	ug/l	96
14) Allyl chloride	2.666	41	37719	35.681	ug/l	95
15) Acrylonitrile	3.062	53	80834	213.757	ug/l	99
16) Acetone	2.380	43	70243	218.813	ug/l	93
17) Carbon Disulfide	2.508	76	70925	52.830	ug/l	99
18) Methyl Acetate	2.703	43	35769	38.504	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	96905	44.366	ug/l	93
20) Methylene Chloride	2.788	84	35469	51.986	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	32299	50.492	ug/l	93
22) Diisopropyl ether	3.757	45	85533	39.373	ug/l #	72
23) Vinyl Acetate	3.721	43	390637	204.893	ug/l	98
24) 1,1-Dichloroethane	3.611	63	55571	44.918	ug/l	99
25) 2-Butanone	4.556	43	80517	138.889	ug/l	100
26) 2,2-Dichloropropane	4.483	77	36444	36.138	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	38110	51.237	ug/l	90
28) Bromochloromethane	4.897	49	12671	24.314	ug/l #	61
29) Tetrahydrofuran	5.007	42	45751	124.438	ug/l	94
30) Chloroform	5.099	83	46425	34.557	ug/l	97
31) Cyclohexane	5.470	56	31080	28.696	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	45400	38.489	ug/l	96
36) 1,1-Dichloropropene	5.696	75	32281	38.912	ug/l	96
37) Ethyl Acetate	4.721	43	30161	30.963	ug/l	98
38) Carbon Tetrachloride	5.678	117	43058	47.952	ug/l	99
39) Methylcyclohexane	7.385	83	41629	43.308	ug/l #	76
40) Benzene	6.044	78	89814	38.780	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15627	30.517	ug/l	96
42) 1,2-Dichloroethane	6.086	62	37805	38.575	ug/l	96
43) Isopropyl Acetate	6.342	43	44998	30.660	ug/l	96
44) Trichloroethene	7.123	130	33106	53.346	ug/l	83
45) 1,2-Dichloropropane	7.434	63	22477	38.830	ug/l	98
46) Dibromomethane	7.580	93	20194	43.425	ug/l	92
47) Bromodichloromethane	7.824	83	38411	45.021	ug/l	97
48) Methyl methacrylate	7.696	41	24874	33.243	ug/l	91
49) 1,4-Dioxane	7.659	88	14197	979.090	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	216129	225.786	ug/l	98
52) Toluene	8.720	92	89457	60.169	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	47499	55.950	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	46859	51.263	ug/l #	92
55) 1,1,2-Trichloroethane	9.153	97	37616	64.158	ug/l	95
56) Ethyl methacrylate	9.116	69	53471	57.920	ug/l #	95
57) 1,3-Dichloropropane	9.311	76	56813	56.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	100265	230.897	ug/l	89
59) 2-Hexanone	9.433	43	181013	236.944	ug/l	96
60) Dibromochloromethane	9.525	129	41879	69.059	ug/l	96
61) 1,2-Dibromoethane	9.610	107	40045	61.242	ug/l	97
64) Tetrachloroethene	9.275	164	41492	52.912	ug/l	97
65) Chlorobenzene	10.079	112	107579	48.395	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	39454	48.324	ug/l	98
67) Ethyl Benzene	10.195	91	166410	40.760	ug/l	98
68) m/p-Xylenes	10.305	106	154236	100.768	ug/l	100
69) o-Xylene	10.646	106	73263	48.736	ug/l	99
70) Styrene	10.659	104	126554	50.631	ug/l	99
71) Bromoform	10.805	173	35989	59.824	ug/l #	99
73) Isopropylbenzene	10.963	105	215250	48.568	ug/l	100
74) N-amyl acetate	10.841	43	74756	38.481	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	71181	47.990	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	66552m	47.455	ug/l	
77) Bromobenzene	11.201	156	52788	50.475	ug/l	95
78) n-propylbenzene	11.305	91	251296	47.557	ug/l	100
79) 2-Chlorotoluene	11.366	91	155936	47.915	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	184972	48.633	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	18415	43.439	ug/l #	85
82) 4-Chlorotoluene	11.457	91	179398	47.364	ug/l	97
83) tert-Butylbenzene	11.719	119	174160	49.194	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	184978	48.473	ug/l	96
85) sec-Butylbenzene	11.890	105	214799	48.103	ug/l	99
86) p-Isopropyltoluene	12.012	119	180523	48.266	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	95285	48.742	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	95002	47.098	ug/l	97
89) n-Butylbenzene	12.335	91	158820	47.245	ug/l	96
90) Hexachloroethane	12.542	117	27539	48.740	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	94298	49.632	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17709	47.189	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	56265	48.395	ug/l	98
94) Hexachlorobutadiene	13.725	225	24687	45.537	ug/l	93
95) Naphthalene	13.780	128	202324	50.533	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	55827	48.838	ug/l	96

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

