

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027824.D
 Acq On : 30 Mar 2022 20:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

Quant Time: Mar 31 05:53:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	69881	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	111741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53355	59.174	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 118.340%			
35) Dibromofluoromethane	5.385	113	39163	54.298	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.600%			
50) Toluene-d8	8.653	98	133995	52.801	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.600%			
62) 4-Bromofluorobenzene	11.085	95	56994	52.849	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	34554	54.569	ug/l	97
3) Chloromethane	1.294	50	28099	50.216	ug/l	100
4) Vinyl Chloride	1.374	62	29705	51.762	ug/l	99
5) Bromomethane	1.599	94	11720	45.292	ug/l	98
6) Chloroethane	1.678	64	18009	46.554	ug/l	99
7) Trichlorofluoromethane	1.880	101	50203	49.869	ug/l	95
8) Diethyl Ether	2.136	74	19134	52.951	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	33041	50.495	ug/l	96
10) Methyl Iodide	2.453	142	40927	53.859	ug/l	# 89
11) Tert butyl alcohol	2.971	59	51850	299.370	ug/l	100
12) 1,1-Dichloroethene	2.319	96	29826	49.679	ug/l	98
13) Acrolein	2.239	56	38694	298.293	ug/l	95
14) Allyl chloride	2.660	41	56838	51.565	ug/l	# 91
15) Acrylonitrile	3.062	53	116324	286.034	ug/l	99
16) Acetone	2.380	43	110222	276.217	ug/l	89
17) Carbon Disulfide	2.508	76	53510	43.570	ug/l	98
18) Methyl Acetate	2.703	43	52579	53.451	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	123963	54.194	ug/l	99
20) Methylene Chloride	2.788	84	36328	50.613	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	31867	48.903	ug/l	90
22) Diisopropyl ether	3.763	45	115977	52.502	ug/l	# 89
23) Vinyl Acetate	3.727	43	514338	269.495	ug/l	94
24) 1,1-Dichloroethane	3.611	63	63967	51.472	ug/l	99
25) 2-Butanone	4.562	43	152415	262.496	ug/l	95
26) 2,2-Dichloropropane	4.477	77	43379	43.703	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	40282	51.264	ug/l	97
28) Bromochloromethane	4.904	49	27618	51.666	ug/l	99
29) Tetrahydrofuran	5.007	42	98201	263.292	ug/l	90
30) Chloroform	5.099	83	70453	50.997	ug/l	99
31) Cyclohexane	5.470	56	47413	47.570	ug/l	90
32) 1,1,1-Trichloroethane	5.391	97	61658	51.595	ug/l	99
36) 1,1-Dichloropropene	5.696	75	47705	52.514	ug/l	98
37) Ethyl Acetate	4.721	43	56732	50.376	ug/l	98
38) Carbon Tetrachloride	5.678	117	54751	54.552	ug/l	98
39) Methylcyclohexane	7.385	83	48917	45.760	ug/l	89
40) Benzene	6.044	78	141819	51.515	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	31597	52.748	ug/l	92
42) 1,2-Dichloroethane	6.092	62	65682	59.709	ug/l	93
43) Isopropyl Acetate	6.342	43	104986	58.202	ug/l #	91
44) Trichloroethene	7.129	130	36812	49.204	ug/l	82
45) 1,2-Dichloropropane	7.434	63	39201	53.005	ug/l	96
46) Dibromomethane	7.586	93	29610	53.197	ug/l	89
47) Bromodichloromethane	7.824	83	59534	53.703	ug/l	99
48) Methyl methacrylate	7.696	41	52899	55.920	ug/l #	79
49) 1,4-Dioxane	7.659	88	21795	1167.132	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	352836	281.973	ug/l	88
52) Toluene	8.720	92	89512	51.620	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	59150	53.239	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	62488	53.412	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	40138	52.187	ug/l	90
56) Ethyl methacrylate	9.116	69	66760	54.806	ug/l #	72
57) 1,3-Dichloropropane	9.311	76	69390	53.612	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	170456	280.285	ug/l	96
59) 2-Hexanone	9.433	43	271785	282.084	ug/l	84
60) Dibromochloromethane	9.525	129	42765	53.625	ug/l	99
61) 1,2-Dibromoethane	9.610	107	42512	52.898	ug/l	99
64) Tetrachloroethene	9.275	164	34208	49.974	ug/l	94
65) Chlorobenzene	10.079	112	99856	50.227	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	39492	52.936	ug/l	99
67) Ethyl Benzene	10.195	91	184664	51.186	ug/l	97
68) m/p-Xylenes	10.305	106	135859	102.390	ug/l	89
69) o-Xylene	10.646	106	68046	52.504	ug/l	90
70) Styrene	10.659	104	114220	51.852	ug/l #	93
71) Bromoform	10.799	173	29423	49.250	ug/l #	99
73) Isopropylbenzene	10.963	105	180331	48.008	ug/l	98
74) N-amyl acetate	10.841	43	86761	51.279	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	65528	51.374	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	63175m	53.382	ug/l	
77) Bromobenzene	11.201	156	41831	48.847	ug/l	85
78) n-propylbenzene	11.305	91	211241	47.072	ug/l	98
79) 2-Chlorotoluene	11.366	91	133000	47.160	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	156787	48.104	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	18624	47.501	ug/l #	80
82) 4-Chlorotoluene	11.457	91	155187	47.952	ug/l	95
83) tert-Butylbenzene	11.719	119	155264	49.263	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	159650	49.125	ug/l	97
85) sec-Butylbenzene	11.890	105	191144	49.144	ug/l	99
86) p-Isopropyltoluene	12.012	119	159907	49.426	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	83713	49.660	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	85267	49.100	ug/l	96
89) n-Butylbenzene	12.335	91	138208	47.509	ug/l	96
90) Hexachloroethane	12.542	117	25478	49.038	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	81318	48.836	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14998	48.845	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	50890	49.975	ug/l	99
94) Hexachlorobutadiene	13.725	225	22649	50.332	ug/l	93
95) Naphthalene	13.780	128	189230	53.222	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	51476	51.600	ug/l	97

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

