

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042621\
 Data File : VY004620.D
 Acq On : 26 Apr 2021 11:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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4/27/2021 3:36:42 PM

Quant Time: Apr 27 09:29:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	132242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	210608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	188266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	87119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79271	53.95	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.90%	
35) Dibromofluoromethane	7.728	113	63894	54.67	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.34%	
50) Toluene-d8	10.185	98	270954	54.50	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.00%	
62) 4-Bromofluorobenzene	12.489	95	89123	52.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.66%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	59938	48.92	ug/l	98
3) Chloromethane	2.125	50	89606	50.58	ug/l	99
4) Vinyl Chloride	2.259	62	91046	48.66	ug/l	97
5) Bromomethane	2.662	94	50275	55.07	ug/l	98
6) Chloroethane	2.808	64	58350	52.01	ug/l	97
7) Trichlorofluoromethane	3.137	101	122843	52.49	ug/l	97
8) Diethyl Ether	3.540	74	39327	49.72	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	67905	52.31	ug/l	99
10) Methyl Iodide	4.107	142	74428	47.91	ug/l	98
11) Tert butyl alcohol	4.984	59	30253	208.93	ug/l	99
12) 1,1-Dichloroethene	3.887	96	65682	51.17	ug/l	94
13) Acrolein	3.747	56	31129	193.39	ug/l	100
14) Allyl chloride	4.497	41	125352	51.06	ug/l	99
15) Acrylonitrile	5.180	53	102632	241.86	ug/l	99
16) Acetone	3.966	43	70354	223.57	ug/l	94
17) Carbon Disulfide	4.210	76	198852	50.31	ug/l	99
18) Methyl Acetate	4.491	43	51181	50.01	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	193844	50.26	ug/l	98
20) Methylene Chloride	4.735	84	73983	52.13	ug/l	99
21) trans-1,2-Dichloroethene	5.234	96	75073	51.69	ug/l	96
22) Diisopropyl ether	6.137	45	275474	53.08	ug/l	97
23) Vinyl Acetate	6.076	43	881412	249.50	ug/l	100
24) 1,1-Dichloroethane	6.033	63	140398	52.96	ug/l	99
25) 2-Butanone	7.002	43	130137	232.52	ug/l	96
26) 2,2-Dichloropropane	6.996	77	128924	54.20	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	84566	52.04	ug/l	99
28) Bromochloromethane	7.344	49	67940	56.39	ug/l	98
29) Tetrahydrofuran	7.362	42	93553	233.95	ug/l	99
30) Chloroform	7.521	83	141424	54.29	ug/l	99
31) Cyclohexane	7.795	56	129961	48.25	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	125945	53.28	ug/l	98
36) 1,1-Dichloropropene	7.929	75	110311	52.71	ug/l	100
37) Ethyl Acetate	7.088	43	64505	47.86	ug/l	99
38) Carbon Tetrachloride	7.911	117	104513	57.77	ug/l	98
39) Methylcyclohexane	9.191	83	132508	51.43	ug/l	100
40) Benzene	8.173	78	317874	54.05	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	38214m	46.79	ug/l	
42) 1,2-Dichloroethane	8.246	62	99154	53.75	ug/l	98
43) Isopropyl Acetate	8.283	43	127895	50.06	ug/l	100
44) Trichloroethene	8.947	130	85855	53.54	ug/l	97
45) 1,2-Dichloropropane	9.228	63	82384	54.28	ug/l	96
46) Dibromomethane	9.313	93	43555	52.71	ug/l	98
47) Bromodichloromethane	9.502	83	111860	55.91	ug/l	99
48) Methyl methacrylate	9.301	41	59355	50.45	ug/l	97
49) 1,4-Dioxane	9.313	88	9959	922.75	ug/l	97
51) 4-Methyl-2-Pentanone	10.081	43	330393	251.76	ug/l	99
52) Toluene	10.252	92	197824	51.98	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	116483	52.79	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	132562	52.90	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	59786	52.50	ug/l	99
56) Ethyl methacrylate	10.514	69	84565	51.21	ug/l	98
57) 1,3-Dichloropropane	10.794	76	106053	52.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	226218	267.76	ug/l	99
59) 2-Hexanone	10.837	43	217376	247.09	ug/l	98
60) Dibromochloromethane	10.990	129	73040	53.98	ug/l	99
61) 1,2-Dibromoethane	11.093	107	56111	51.11	ug/l	100
64) Tetrachloroethene	10.727	164	90101	54.97	ug/l	99
65) Chlorobenzene	11.520	112	201989	52.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	75650	55.17	ug/l	100
67) Ethyl Benzene	11.599	91	382625	53.23	ug/l	100
68) m/p-Xylenes	11.709	106	285146	106.75	ug/l	100
69) o-Xylene	12.038	106	132404	52.89	ug/l	100
70) Styrene	12.050	104	224243	54.08	ug/l	99
71) Bromoform	12.215	173	41253	50.72	ug/l #	99
73) Isopropylbenzene	12.337	105	363760	54.03	ug/l	100
74) N-amyl acetate	12.148	43	113879	50.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	63813	50.10	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	42674m	45.64	ug/l	
77) Bromobenzene	12.617	156	79475	52.67	ug/l	99
78) n-propylbenzene	12.678	91	431950	54.31	ug/l	99
79) 2-Chlorotoluene	12.764	91	233173	53.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	299425	54.72	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	25155	48.13	ug/l	96
82) 4-Chlorotoluene	12.861	91	247411	53.87	ug/l	99
83) tert-Butylbenzene	13.081	119	251566	53.71	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	299194	54.18	ug/l	100
85) sec-Butylbenzene	13.257	105	353148	54.06	ug/l	100
86) p-Isopropyltoluene	13.373	119	325114	54.71	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	149996	53.22	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	147151	51.87	ug/l	100
89) n-Butylbenzene	13.702	91	305419	53.84	ug/l	99
90) Hexachloroethane	13.965	117	49101	61.58	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	131331	52.50	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10512	45.99	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	80737	48.81	ug/l	100
94) Hexachlorobutadiene	15.117	225	45152	52.28	ug/l	99
95) Naphthalene	15.245	128	163484	45.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	69543	47.66	ug/l	100

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

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