

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051221\
 Data File : VY004747.D
 Acq On : 12 May 2021 10:20
 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

MMDadoda
 5/13/2021 4:08:18 PM

Quant Time: May 13 00:54:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	191851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	301258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	277899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133120	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116343	50.95	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.90%			
35) Dibromofluoromethane	7.728	113	92274	55.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.90%			
50) Toluene-d8	10.185	98	398440	53.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.96%			
62) 4-Bromofluorobenzene	12.483	95	135310	53.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.62%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	88265	50.24	ug/l	100
3) Chloromethane	2.119	50	128056	44.98	ug/l	99
4) Vinyl Chloride	2.260	62	131827	45.25	ug/l	99
5) Bromomethane	2.656	94	73300	49.33	ug/l	100
6) Chloroethane	2.802	64	82355	47.90	ug/l	94
7) Trichlorofluoromethane	3.137	101	175503	50.75	ug/l	95
8) Diethyl Ether	3.540	74	60580	49.58	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	98649	50.28	ug/l	100
10) Methyl Iodide	4.101	142	108966	51.94	ug/l	99
11) Tert butyl alcohol	4.985	59	52893	230.47	ug/l	100
12) 1,1-Dichloroethene	3.881	96	94662	49.92	ug/l	97
13) Acrolein	3.741	56	72586	269.04	ug/l	97
14) Allyl chloride	4.491	41	183739	49.58	ug/l	100
15) Acrylonitrile	5.180	53	151581	247.48	ug/l	97
16) Acetone	3.960	43	105867	206.40	ug/l	100
17) Carbon Disulfide	4.204	76	302446	52.23	ug/l	99
18) Methyl Acetate	4.491	43	79031	48.32	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	261344	50.11	ug/l	100
20) Methylene Chloride	4.729	84	110251	45.62	ug/l	98
21) trans-1,2-Dichloroethene	5.235	96	108721	50.46	ug/l	98
22) Diisopropyl ether	6.131	45	362934	50.92	ug/l	99
23) Vinyl Acetate	6.076	43	1375259	256.90	ug/l	99
24) 1,1-Dichloroethane	6.033	63	203427	50.72	ug/l	98
25) 2-Butanone	7.003	43	209543	229.95	ug/l	99
26) 2,2-Dichloropropane	6.996	77	182652	52.13	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	121235	50.67	ug/l	99
28) Bromochloromethane	7.344	49	99719	50.89	ug/l	99
29) Tetrahydrofuran	7.362	42	145554	250.39	ug/l	98
30) Chloroform	7.515	83	197645	50.01	ug/l	100
31) Cyclohexane	7.789	56	179268	48.50	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	180461	50.95	ug/l	99
36) 1,1-Dichloropropene	7.923	75	160958	52.13	ug/l	100
37) Ethyl Acetate	7.088	43	110536	52.25	ug/l	99
38) Carbon Tetrachloride	7.911	117	152352	54.90	ug/l	99
39) Methylcyclohexane	9.185	83	183004	54.35	ug/l	98
40) Benzene	8.167	78	454649	52.09	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	54730	47.34	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	144159	52.30	ug/l	100
43) Isopropyl Acetate	8.283	43	207424	52.81	ug/l	100
44) Trichloroethene	8.947	130	123791	52.76	ug/l	97
45) 1,2-Dichloropropane	9.222	63	119206	52.21	ug/l	99
46) Dibromomethane	9.313	93	65665	51.71	ug/l	99
47) Bromodichloromethane	9.502	83	159114	52.83	ug/l	99
48) Methyl methacrylate	9.301	41	94508	52.87	ug/l	99
49) 1,4-Dioxane	9.307	88	15221	1017.97	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	561258	265.60	ug/l	100
52) Toluene	10.246	92	289360	52.51	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	175440	52.58	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	196777	53.00	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	91453	52.33	ug/l	97
56) Ethyl methacrylate	10.514	69	137309	54.33	ug/l	98
57) 1,3-Dichloropropane	10.795	76	163459	52.61	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	330236	253.15	ug/l	100
59) 2-Hexanone	10.837	43	382047	266.80	ug/l	99
60) Dibromochloromethane	10.990	129	107760	51.86	ug/l	98
61) 1,2-Dibromoethane	11.093	107	88449	52.49	ug/l	98
64) Tetrachloroethene	10.721	164	131882	52.53	ug/l	98
65) Chlorobenzene	11.520	112	298909	52.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	110512	53.15	ug/l	99
67) Ethyl Benzene	11.599	91	570610	53.70	ug/l	98
68) m/p-Xylenes	11.709	106	430970	107.94	ug/l	99
69) o-Xylene	12.032	106	199440	53.45	ug/l	99
70) Styrene	12.050	104	339690	54.30	ug/l	100
71) Bromoform	12.215	173	66997	53.19	ug/l #	99
73) Isopropylbenzene	12.337	105	546605	54.43	ug/l	99
74) N-amyl acetate	12.148	43	192356	54.17	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	106218	53.00	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	82893m	58.63	ug/l	
77) Bromobenzene	12.611	156	119804	52.83	ug/l	100
78) n-propylbenzene	12.672	91	669716	54.65	ug/l	100
79) 2-Chlorotoluene	12.764	91	361980	53.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	456075	54.68	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	43803	53.72	ug/l #	77
82) 4-Chlorotoluene	12.861	91	383489	54.91	ug/l	99
83) tert-Butylbenzene	13.081	119	389693	54.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	454628	54.46	ug/l	100
85) sec-Butylbenzene	13.258	105	573683	55.42	ug/l	100
86) p-Isopropyltoluene	13.373	119	498669	55.57	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	234011	52.61	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	230647	52.63	ug/l	100
89) n-Butylbenzene	13.703	91	486382	55.44	ug/l	100
90) Hexachloroethane	13.965	117	69641	55.10	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	206872	52.73	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18342	48.99	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	132942	52.60	ug/l	100
94) Hexachlorobutadiene	15.117	225	72539	52.98	ug/l	98
95) Naphthalene	15.239	128	291574	53.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	117359	52.47	ug/l	98

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

