

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050421\
 Data File : VY004701.D
 Acq On : 04 May 2021 09:03
 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
 5/5/2021 5:31:33 PM

Quant Time: May 05 01:30:01 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	7.795	168	173429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	271386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	97941	50.83	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.66%		
35) Dibromofluoromethane	7.722	113	73495	48.80	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.60%		
50) Toluene-d8	10.179	98	329588	51.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.90%		
62) 4-Bromofluorobenzene	12.483	95	115499	53.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.26%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	72677	45.23	ug/l	97
3) Chloromethane	2.119	50	106673	45.91	ug/l	98
4) Vinyl Chloride	2.253	62	116211	47.36	ug/l	97
5) Bromomethane	2.650	94	63474	53.02	ug/l	96
6) Chloroethane	2.796	64	73689	50.09	ug/l	96
7) Trichlorofluoromethane	3.125	101	152748	49.77	ug/l	98
8) Diethyl Ether	3.534	74	51261	49.42	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	85715	50.35	ug/l	99
10) Methyl Iodide	4.094	142	85865	42.14	ug/l	99
11) Tert butyl alcohol	4.966	59	48881	257.40	ug/l	98
12) 1,1-Dichloroethene	3.875	96	80846	48.03	ug/l	92
13) Acrolein	3.735	56	46782	221.61	ug/l	95
14) Allyl chloride	4.485	41	151477	47.05	ug/l	99
15) Acrylonitrile	5.173	53	145756	261.91	ug/l	99
16) Acetone	3.954	43	104249	255.31	ug/l	95
17) Carbon Disulfide	4.198	76	216915	41.85	ug/l	98
18) Methyl Acetate	4.485	43	73755	54.95	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	254747	50.36	ug/l	100
20) Methylene Chloride	4.722	84	98248	52.79	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	92185	48.40	ug/l	96
22) Diisopropyl ether	6.125	45	339296	49.85	ug/l	98
23) Vinyl Acetate	6.064	43	1155066	249.32	ug/l	99
24) 1,1-Dichloroethane	6.021	63	173947	50.03	ug/l	99
25) 2-Butanone	6.990	43	187977	256.10	ug/l	99
26) 2,2-Dichloropropane	6.984	77	159238	51.04	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	105939	49.71	ug/l	99
28) Bromochloromethane	7.338	49	89277	56.50	ug/l	100
29) Tetrahydrofuran	7.356	42	137299	261.81	ug/l	99
30) Chloroform	7.508	83	175591	51.39	ug/l	100
31) Cyclohexane	7.789	56	160645	45.48	ug/l	100
32) 1,1,1-Trichloroethane	7.703	97	158036	50.98	ug/l	99
36) 1,1-Dichloropropene	7.917	75	137734	51.08	ug/l	99
37) Ethyl Acetate	7.082	43	93676	53.94	ug/l	99
38) Carbon Tetrachloride	7.899	117	132367	56.78	ug/l	99
39) Methylcyclohexane	9.185	83	163709	49.31	ug/l	99
40) Benzene	8.161	78	391795	51.70	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	48119m	45.72	ug/l	
42) 1,2-Dichloroethane	8.240	62	127437	53.61	ug/l	99
43) Isopropyl Acetate	8.277	43	179976	54.67	ug/l	99
44) Trichloroethene	8.941	130	108611	52.56	ug/l	99
45) 1,2-Dichloropropane	9.222	63	104047	53.20	ug/l	99
46) Dibromomethane	9.307	93	57616	54.11	ug/l	98
47) Bromodichloromethane	9.496	83	138697	53.80	ug/l	99
48) Methyl methacrylate	9.295	41	81879	54.01	ug/l	98
49) 1,4-Dioxane	9.301	88	16808	1208.57	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	485483	287.09	ug/l	99
52) Toluene	10.246	92	249768	50.93	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	151674	53.34	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	170478	52.79	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	79769	54.36	ug/l	99
56) Ethyl methacrylate	10.514	69	115731	54.39	ug/l	98
57) 1,3-Dichloropropane	10.794	76	141583	54.07	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	319896	293.84	ug/l	99
59) 2-Hexanone	10.837	43	327616	289.00	ug/l	99
60) Dibromochloromethane	10.983	129	96131	55.13	ug/l	100
61) 1,2-Dibromoethane	11.093	107	77275	54.63	ug/l	98
64) Tetrachloroethene	10.721	164	117382	54.34	ug/l	99
65) Chlorobenzene	11.520	112	259484	51.24	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	97628	54.02	ug/l	99
67) Ethyl Benzene	11.593	91	490068	51.72	ug/l	99
68) m/p-Xylenes	11.703	106	366934	104.22	ug/l	99
69) o-Xylene	12.032	106	170190	51.58	ug/l	99
70) Styrene	12.044	104	291529	53.35	ug/l	99
71) Bromoform	12.209	173	58687	54.75	ug/l #	100
73) Isopropylbenzene	12.331	105	473100	49.80	ug/l	100
74) N-amyl acetate	12.148	43	166659	52.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	92359	51.38	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	66239m	50.20	ug/l	
77) Bromobenzene	12.611	156	106855	50.18	ug/l	99
78) n-propylbenzene	12.672	91	575352	51.26	ug/l	99
79) 2-Chlorotoluene	12.757	91	309707	50.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	400866	51.91	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	36434	49.39	ug/l	94
82) 4-Chlorotoluene	12.855	91	324036	49.99	ug/l	99
83) tert-Butylbenzene	13.074	119	331125	50.10	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	399366	51.25	ug/l	99
85) sec-Butylbenzene	13.251	105	478401	51.89	ug/l	100
86) p-Isopropyltoluene	13.373	119	440624	52.54	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	205466	51.66	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	201979	50.45	ug/l	100
89) n-Butylbenzene	13.696	91	417436	52.15	ug/l	99
90) Hexachloroethane	13.965	117	65311	58.04	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	181594	51.43	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15673	48.59	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	115104	49.31	ug/l	100
94) Hexachlorobutadiene	15.111	225	64539	52.95	ug/l	98
95) Naphthalene	15.239	128	248921	49.05	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	100950	49.02	ug/l	99

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

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