

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041921\
 Data File : VY004486.D
 Acq On : 19 Apr 2021 09:57
 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
 4/20/2021 9:45:21 AM

Quant Time: Apr 20 01:44:33 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	158041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	251540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	225144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107408	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94530	53.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.66%			
35) Dibromofluoromethane	7.728	113	75651	54.19	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.38%			
50) Toluene-d8	10.185	98	330995	55.74	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.48%			
62) 4-Bromofluorobenzene	12.483	95	109384	54.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	76641	52.34	ug/l	99
3) Chloromethane	2.119	50	110408	52.14	ug/l	98
4) Vinyl Chloride	2.259	62	128011	57.25	ug/l	99
5) Bromomethane	2.656	94	57076	52.31	ug/l	96
6) Chloroethane	2.802	64	70713	52.74	ug/l	96
7) Trichlorofluoromethane	3.131	101	142421	50.92	ug/l	98
8) Diethyl Ether	3.540	74	49205	52.06	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	82020	52.87	ug/l	99
10) Methyl Iodide	4.101	142	88598	47.72	ug/l	99
11) Tert butyl alcohol	4.978	59	44298	255.98	ug/l	100
12) 1,1-Dichloroethene	3.881	96	79583	51.88	ug/l	94
13) Acrolein	3.741	56	60663	315.34	ug/l	99
14) Allyl chloride	4.491	41	156588	53.37	ug/l	97
15) Acrylonitrile	5.180	53	137579	271.29	ug/l	98
16) Acetone	3.960	43	83965	223.23	ug/l	97
17) Carbon Disulfide	4.204	76	244485	51.76	ug/l	100
18) Methyl Acetate	4.485	43	65454	53.52	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	239585	51.98	ug/l	100
20) Methylene Chloride	4.728	84	88452	52.15	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	90435	52.10	ug/l	97
22) Diisopropyl ether	6.131	45	333630	53.79	ug/l	99
23) Vinyl Acetate	6.070	43	1140257	270.08	ug/l	98
24) 1,1-Dichloroethane	6.027	63	166566	52.57	ug/l	100
25) 2-Butanone	7.002	43	169108	252.82	ug/l	96
26) 2,2-Dichloropropane	6.990	77	149421	52.56	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	100686	51.84	ug/l	100
28) Bromochloromethane	7.344	49	85561	59.42	ug/l	97
29) Tetrahydrofuran	7.356	42	130081	272.20	ug/l	98
30) Chloroform	7.515	83	159902	51.36	ug/l	96
31) Cyclohexane	7.795	56	163302	50.73	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	146065	51.71	ug/l	100
36) 1,1-Dichloropropene	7.923	75	132782	53.12	ug/l	99
37) Ethyl Acetate	7.082	43	86983	54.04	ug/l	99
38) Carbon Tetrachloride	7.905	117	120720	55.87	ug/l	99
39) Methylcyclohexane	9.185	83	164011	53.30	ug/l	98
40) Benzene	8.167	78	374841	53.36	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	55647m	57.05	ug/l	
42) 1,2-Dichloroethane	8.246	62	113911	51.70	ug/l	100
43) Isopropyl Acetate	8.277	43	169515	55.55	ug/l	99
44) Trichloroethene	8.941	130	100776	52.62	ug/l	94
45) 1,2-Dichloropropane	9.222	63	98502	54.33	ug/l	98
46) Dibromomethane	9.307	93	52693	53.39	ug/l	98
47) Bromodichloromethane	9.502	83	126700	53.02	ug/l	97
48) Methyl methacrylate	9.295	41	77233	54.96	ug/l	97
49) 1,4-Dioxane	9.301	88	13913	1079.34	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	438907	280.02	ug/l	100
52) Toluene	10.246	92	234980	51.70	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	140236	53.21	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	159985	53.45	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	72092	53.01	ug/l	97
56) Ethyl methacrylate	10.514	69	107010	54.26	ug/l	98
57) 1,3-Dichloropropane	10.794	76	131754	54.29	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	300427	297.73	ug/l	98
59) 2-Hexanone	10.837	43	294531	280.31	ug/l	99
60) Dibromochloromethane	10.990	129	86475	53.51	ug/l	100
61) 1,2-Dibromoethane	11.093	107	69731	53.18	ug/l	99
64) Tetrachloroethene	10.721	164	103587	52.85	ug/l	99
65) Chlorobenzene	11.520	112	241484	52.56	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	86604	52.81	ug/l	99
67) Ethyl Benzene	11.593	91	451733	52.55	ug/l	98
68) m/p-Xylenes	11.703	106	342909	107.35	ug/l	98
69) o-Xylene	12.032	106	157488	52.61	ug/l	99
70) Styrene	12.044	104	266183	53.68	ug/l	99
71) Bromoform	12.209	173	51991	53.45	ug/l #	99
73) Isopropylbenzene	12.331	105	431276	51.96	ug/l	100
74) N-amyl acetate	12.148	43	153942	55.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	84890	54.06	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	62796m	54.47	ug/l	
77) Bromobenzene	12.611	156	96583	51.92	ug/l	99
78) n-propylbenzene	12.672	91	521286	53.17	ug/l	99
79) 2-Chlorotoluene	12.758	91	279154	52.06	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	356200	52.80	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	35130	54.52	ug/l	94
82) 4-Chlorotoluene	12.855	91	295190	52.13	ug/l	99
83) tert-Butylbenzene	13.081	119	307485	53.25	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	359219	52.77	ug/l	99
85) sec-Butylbenzene	13.257	105	436026	54.14	ug/l	99
86) p-Isopropyltoluene	13.373	119	390012	53.23	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	185052	53.26	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	182155	52.08	ug/l	99
89) n-Butylbenzene	13.702	91	382175	54.65	ug/l	100
90) Hexachloroethane	13.965	117	59599	60.63	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	162589	52.71	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14293	50.72	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	108646	53.27	ug/l	98
94) Hexachlorobutadiene	15.117	225	58094	54.56	ug/l	99
95) Naphthalene	15.239	128	237076	53.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	94888	52.74	ug/l	99

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

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