

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040521\
 Data File : VY004287.D
 Acq On : 05 Apr 2021 16:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 1:55:00 PM

Quant Time: Apr 06 00:59:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	181906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	299102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	266213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	88978	50.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.76%			
35) Dibromofluoromethane	7.728	113	77635	46.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.16%			
50) Toluene-d8	10.184	98	300049	47.87	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.74%			
62) 4-Bromofluorobenzene	12.489	95	100922	46.98	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.96%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	80631	51.18	ug/l	100
3) Chloromethane	2.119	50	118310	55.64	ug/l	98
4) Vinyl Chloride	2.259	62	124945	52.72	ug/l	97
5) Bromomethane	2.655	94	59992	46.02	ug/l	98
6) Chloroethane	2.802	64	76713	49.93	ug/l	99
7) Trichlorofluoromethane	3.137	101	160645	52.16	ug/l	97
8) Diethyl Ether	3.539	74	55031	55.68	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.911	101	90624	54.04	ug/l	98
10) Methyl Iodide	4.106	142	100085	51.65	ug/l	100
11) Tert butyl alcohol	4.978	59	45952	322.93	ug/l	99
12) 1,1-Dichloroethene	3.881	96	89912	54.65	ug/l	98
13) Acrolein	3.741	56	27962	243.55	ug/l	98
14) Allyl chloride	4.490	41	167316	63.82	ug/l	94
15) Acrylonitrile	5.179	53	145847	310.04	ug/l	99
16) Acetone	3.960	43	110366	302.94	ug/l	96
17) Carbon Disulfide	4.210	76	256971	59.39	ug/l	99
18) Methyl Acetate	4.490	43	73382	62.93	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	272746	56.11	ug/l	97
20) Methylene Chloride	4.728	84	105746	59.72	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	104431	56.53	ug/l	96
22) Diisopropyl ether	6.130	45	367924	63.90	ug/l	97
23) Vinyl Acetate	6.069	43	1189461	307.11	ug/l	96
24) 1,1-Dichloroethane	6.033	63	187512	59.77	ug/l	99
25) 2-Butanone	6.996	43	191794	315.13	ug/l	97
26) 2,2-Dichloropropane	6.996	77	164509	56.04	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	117287	56.07	ug/l	95
28) Bromochloromethane	7.344	49	75851	59.48	ug/l	90
29) Tetrahydrofuran	7.356	42	131881	307.56	ug/l	92
30) Chloroform	7.514	83	187670	56.23	ug/l	98
31) Cyclohexane	7.795	56	177295	57.37	ug/l	95
32) 1,1,1-Trichloroethane	7.709	97	167473	54.84	ug/l	99
36) 1,1-Dichloropropene	7.929	75	146723	53.74	ug/l	98
37) Ethyl Acetate	7.087	43	87513	54.63	ug/l	99
38) Carbon Tetrachloride	7.904	117	135043	56.88	ug/l	97
39) Methylcyclohexane	9.191	83	184447	54.56	ug/l	97
40) Benzene	8.167	78	423311	54.69	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	49041m	55.26	ug/l	
42) 1,2-Dichloroethane	8.246	62	129484	53.23	ug/l	100
43) Isopropyl Acetate	8.282	43	175831	57.98	ug/l	98
44) Trichloroethene	8.947	130	116364	47.22	ug/l	94
45) 1,2-Dichloropropane	9.221	63	110451	57.74	ug/l	100
46) Dibromomethane	9.313	93	58636	52.13	ug/l	97
47) Bromodichloromethane	9.502	83	145990	54.41	ug/l	99
48) Methyl methacrylate	9.300	41	81675	59.30	ug/l	95
49) 1,4-Dioxane	9.307	88	15738	1285.26	ug/l #	85
51) 4-Methyl-2-Pentanone	10.075	43	446847	289.19	ug/l	98
52) Toluene	10.252	92	268307	53.92	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	156453	54.68	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	180026	56.31	ug/l	100
55) 1,1,2-Trichloroethane	10.654	97	81296	52.77	ug/l	98
56) Ethyl methacrylate	10.514	69	116435	55.08	ug/l	95
57) 1,3-Dichloropropane	10.794	76	144639	54.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	215627	238.40	ug/l	95
59) 2-Hexanone	10.837	43	300066	282.48	ug/l	98
60) Dibromochloromethane	10.989	129	98324	53.23	ug/l	99
61) 1,2-Dibromoethane	11.093	107	78865	51.86	ug/l	99
64) Tetrachloroethene	10.721	164	110550	42.20	ug/l	98
65) Chlorobenzene	11.520	112	274891	51.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	98054	51.56	ug/l	97
67) Ethyl Benzene	11.599	91	516560	53.58	ug/l	99
68) m/p-Xylenes	11.709	106	383890	103.70	ug/l	98
69) o-Xylene	12.032	106	179498	51.82	ug/l	99
70) Styrene	12.050	104	301438	52.31	ug/l	100
71) Bromoform	12.215	173	56014	51.72	ug/l #	99
73) Isopropylbenzene	12.337	105	485167	55.54	ug/l	99
74) N-amyl acetate	12.148	43	152444	59.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.586	83	88544	54.76	ug/l	100
76) 1,2,3-Trichloropropane	12.641	75	67240m	61.93	ug/l	
77) Bromobenzene	12.611	156	107671	52.64	ug/l	94
78) n-propylbenzene	12.678	91	565344	55.94	ug/l	98
79) 2-Chlorotoluene	12.763	91	306205	55.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	392906	55.13	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	33987	57.69	ug/l	95
82) 4-Chlorotoluene	12.861	91	323879	55.42	ug/l	97
83) tert-Butylbenzene	13.080	119	335243	54.44	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	394709	55.22	ug/l	98
85) sec-Butylbenzene	13.257	105	465155	54.87	ug/l	98
86) p-Isopropyltoluene	13.373	119	417590	52.95	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	198605	52.05	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	196514	52.13	ug/l	99
89) n-Butylbenzene	13.702	91	392604	54.14	ug/l	99
90) Hexachloroethane	13.964	117	58080	78.17	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	174384	50.91	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14494	48.04	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	110766	45.50	ug/l	99
94) Hexachlorobutadiene	15.117	225	59962	46.32	ug/l	100
95) Naphthalene	15.245	128	239099	46.30	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	96425	43.35	ug/l	99

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

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