

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072821\
 Data File : VY005503.D
 Acq On : 28 Jul 2021 20:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/29/2021 4:12:22 PM

Quant Time: Jul 29 05:36:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	263308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	415668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	338366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	145658	51.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.560%
35) Dibromofluoromethane	7.728	113	116467	48.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.185	98	418128	41.104	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	82.200%
62) 4-Bromofluorobenzene	12.483	95	139345	41.504	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	89395	37.503	ug/l	99
3) Chloromethane	2.119	50	127081	43.490	ug/l	97
4) Vinyl Chloride	2.260	62	149804	43.053	ug/l	99
5) Bromomethane	2.656	94	109360	43.007	ug/l	100
6) Chloroethane	2.796	64	102091	46.704	ug/l	98
7) Trichlorofluoromethane	3.131	101	197317	43.365	ug/l	100
8) Diethyl Ether	3.540	74	80269	50.112	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	109804	44.402	ug/l	99
10) Methyl Iodide	4.101	142	133146	47.441	ug/l	97
11) Tert butyl alcohol	4.979	59	69460	261.387	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	114984	45.676	ug/l	97
13) Acrolein	3.741	56	59235	243.425	ug/l	99
14) Allyl chloride	4.491	41	217524	48.284	ug/l	97
15) Acrylonitrile	5.180	53	212416	267.035	ug/l	100
16) Acetone	3.961	43	160231	249.422	ug/l	98
17) Carbon Disulfide	4.204	76	366723	44.054	ug/l	100
18) Methyl Acetate	4.491	43	104451	57.845	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	393191	51.764	ug/l	100
20) Methylene Chloride	4.729	84	163696	47.419	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	135300	47.839	ug/l	100
22) Diisopropyl ether	6.131	45	475416	54.371	ug/l	96
23) Vinyl Acetate	6.076	43	1561396	271.481	ug/l	99
24) 1,1-Dichloroethane	6.033	63	253484	52.593	ug/l	99
25) 2-Butanone	6.997	43	269341	279.972	ug/l	97
26) 2,2-Dichloropropane	6.990	77	199308	45.476	ug/l	98
27) cis-1,2-Dichloroethene	6.997	96	157533	52.070	ug/l	100
28) Bromochloromethane	7.344	49	108344	55.841	ug/l	97
29) Tetrahydrofuran	7.362	42	186286	292.406	ug/l	98
30) Chloroform	7.515	83	255199	53.522	ug/l	97
31) Cyclohexane	7.795	56	224345	46.708	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	220489	49.946	ug/l	98
36) 1,1-Dichloropropene	7.923	75	190759	47.463	ug/l	100
37) Ethyl Acetate	7.082	43	123580	50.512	ug/l	100
38) Carbon Tetrachloride	7.911	117	198449	45.185	ug/l	100
39) Methylcyclohexane	9.191	83	200697	38.942	ug/l	99
40) Benzene	8.167	78	570524	49.396	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	65010m	50.707	ug/l	
42) 1,2-Dichloroethane	8.246	62	186206	49.837	ug/l	100
43) Isopropyl Acetate	8.283	43	233616	52.729	ug/l	99
44) Trichloroethene	8.947	130	147711	47.156	ug/l	99
45) 1,2-Dichloropropane	9.222	63	124639	43.827	ug/l	99
46) Dibromomethane	9.313	93	70615	45.113	ug/l	96
47) Bromodichloromethane	9.502	83	173457	44.085	ug/l	99
48) Methyl methacrylate	9.301	41	91713	44.512	ug/l	97
49) 1,4-Dioxane	9.313	88	21230	961.510	ug/l #	98
51) 4-Methyl-2-Pentanone	10.075	43	550215	233.928	ug/l	99
52) Toluene	10.246	92	312537	42.612	ug/l	100
53) t-1,3-Dichloropropene	10.472	75	190136	43.199	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	204649	42.298	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	100221	44.613	ug/l	97
56) Ethyl methacrylate	10.514	69	152748	45.031	ug/l	99
57) 1,3-Dichloropropane	10.795	76	177799	44.500	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	406689	250.697	ug/l	99
59) 2-Hexanone	10.837	43	386425	234.404	ug/l	100
60) Dibromochloromethane	10.990	129	122425	44.622	ug/l	100
61) 1,2-Dibromoethane	11.093	107	93844	44.132	ug/l	100
64) Tetrachloroethene	10.721	164	119039	46.569	ug/l	97
65) Chlorobenzene	11.520	112	336618	48.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	127437	49.234	ug/l	100
67) Ethyl Benzene	11.593	91	604003	47.875	ug/l	99
68) m/p-Xylenes	11.703	106	473070	96.566	ug/l	99
69) o-Xylene	12.032	106	225556	48.396	ug/l	99
70) Styrene	12.044	104	393877	49.771	ug/l	99
71) Bromoform	12.209	173	84442	51.045	ug/l	100
73) Isopropylbenzene	12.331	105	588307	47.805	ug/l	99
74) N-amyl acetate	12.148	43	190726	50.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	118385	50.385	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	85960m	48.953	ug/l	
77) Bromobenzene	12.611	156	148068	49.133	ug/l	98
78) n-propylbenzene	12.672	91	700609	47.187	ug/l	100
79) 2-Chlorotoluene	12.758	91	402540	48.267	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	494266	48.086	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	44449	49.151	ug/l	99
82) 4-Chlorotoluene	12.855	91	415972	48.191	ug/l	100
83) tert-Butylbenzene	13.075	119	428692	46.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	497904	48.294	ug/l	100
85) sec-Butylbenzene	13.258	105	624571	47.295	ug/l	100
86) p-Isopropyltoluene	13.373	119	536395	47.174	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	285534	48.310	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	280920	47.968	ug/l	99
89) n-Butylbenzene	13.697	91	484770	46.448	ug/l	100
90) Hexachloroethane	13.965	117	99819	48.837	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	256883	48.671	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22297	48.936	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	174407	47.893	ug/l	100
94) Hexachlorobutadiene	15.117	225	106619	46.196	ug/l	99
95) Naphthalene	15.239	128	368320	50.280	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	158638	48.330	ug/l	99

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

