

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006037.D
 Acq On : 16 Sep 2021 10:50
 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

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9/17/2021 2:30:43 PM

Quant Time: Sep 17 02:42:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	155226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102196	47.397	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.800%
35) Dibromofluoromethane	7.722	113	75230	51.104	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.200%
50) Toluene-d8	10.179	98	321501	51.242	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.480%
62) 4-Bromofluorobenzene	12.483	95	107256	50.351	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	75455	46.015	ug/l	99
3) Chloromethane	2.119	50	95472	46.821	ug/l	98
4) Vinyl Chloride	2.259	62	112354	48.801	ug/l	99
5) Bromomethane	2.656	94	75923	50.830	ug/l	98
6) Chloroethane	2.802	64	70029	50.720	ug/l	99
7) Trichlorofluoromethane	3.131	101	150786	50.241	ug/l	97
8) Diethyl Ether	3.534	74	48735	49.395	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	76602	51.121	ug/l	99
10) Methyl Iodide	4.101	142	68345	43.085	ug/l	97
11) Tert butyl alcohol	4.954	59	59164	164.730	ug/l	100
12) 1,1-Dichloroethene	3.881	96	80148	51.712	ug/l	96
13) Acrolein	3.735	56	20211	155.998	ug/l	99
14) Allyl chloride	4.485	41	169483	51.228	ug/l	97
15) Acrylonitrile	5.167	53	130363	231.962	ug/l	100
16) Acetone	3.954	43	174035	294.279	ug/l	98
17) Carbon Disulfide	4.204	76	265276	51.250	ug/l	100
18) Methyl Acetate	4.485	43	65390	43.894	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	243256	48.683	ug/l	99
20) Methylene Chloride	4.722	84	101050	55.254	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	89291	51.377	ug/l	99
22) Diisopropyl ether	6.125	45	334339	52.006	ug/l	96
23) Vinyl Acetate	6.064	43	1000914	246.740	ug/l	99
24) 1,1-Dichloroethane	6.021	63	171947	52.203	ug/l	99
25) 2-Butanone	6.990	43	207354	254.388	ug/l	98
26) 2,2-Dichloropropane	6.990	77	161982	51.913	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	101814	52.510	ug/l	99
28) Bromochloromethane	7.338	49	75275	52.025	ug/l	99
29) Tetrahydrofuran	7.350	42	114985	224.451	ug/l	100
30) Chloroform	7.515	83	171480	51.924	ug/l	97
31) Cyclohexane	7.789	56	171926	49.775	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	158426	51.092	ug/l	99
36) 1,1-Dichloropropene	7.923	75	135075	52.802	ug/l	100
37) Ethyl Acetate	7.076	43	79491	44.981	ug/l	99
38) Carbon Tetrachloride	7.905	117	142755	51.260	ug/l	99
39) Methylcyclohexane	9.185	83	166216	52.424	ug/l	99
40) Benzene	8.167	78	383883	52.330	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	44236m	42.859	ug/l	
42) 1,2-Dichloroethane	8.240	62	126236	48.661	ug/l	99
43) Isopropyl Acetate	8.277	43	151026	45.881	ug/l	98
44) Trichloroethene	8.941	130	95516	52.250	ug/l	95
45) 1,2-Dichloropropane	9.215	63	94976	52.336	ug/l	94
46) Dibromomethane	9.307	93	48362	49.236	ug/l	99
47) Bromodichloromethane	9.496	83	129923	51.388	ug/l	97
48) Methyl methacrylate	9.295	41	71470	46.988	ug/l	97
49) 1,4-Dioxane	9.295	88	12542	925.228	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	397619	226.585	ug/l	99
52) Toluene	10.246	92	239371	52.952	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	141895	51.093	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	155589	51.944	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	67880	50.290	ug/l	99
56) Ethyl methacrylate	10.508	69	106586	49.397	ug/l	96
57) 1,3-Dichloropropane	10.794	76	124908	50.208	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	255565	226.245	ug/l	100
59) 2-Hexanone	10.831	43	301033	248.485	ug/l	99
60) Dibromochloromethane	10.983	129	83838	50.380	ug/l	99
61) 1,2-Dibromoethane	11.087	107	63942	50.154	ug/l	99
64) Tetrachloroethene	10.721	164	93652	52.380	ug/l	98
65) Chlorobenzene	11.520	112	242974	51.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	89893	51.563	ug/l	98
67) Ethyl Benzene	11.593	91	471058	52.982	ug/l	99
68) m/p-Xylenes	11.703	106	354051	105.018	ug/l	100
69) o-Xylene	12.032	106	167267	52.531	ug/l	99
70) Styrene	12.044	104	288806	52.945	ug/l	99
71) Bromoform	12.209	173	53726	49.218	ug/l #	98
73) Isopropylbenzene	12.331	105	443755	58.513	ug/l	99
74) N-amyl acetate	12.142	43	136842	52.253	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	74868	53.059	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	51784m	50.150	ug/l	
77) Bromobenzene	12.611	156	101324	57.259	ug/l	99
78) n-propylbenzene	12.672	91	552685	58.902	ug/l	99
79) 2-Chlorotoluene	12.758	91	302256	59.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	371543	59.072	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	30102	53.597	ug/l	98
82) 4-Chlorotoluene	12.855	91	317038	60.121	ug/l	99
83) tert-Butylbenzene	13.075	119	286804	53.315	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	331324	53.096	ug/l	100
85) sec-Butylbenzene	13.251	105	429242	53.303	ug/l	100
86) p-Isopropyltoluene	13.367	119	364968	53.087	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	180280	52.825	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	174473	50.969	ug/l	99
89) n-Butylbenzene	13.696	91	338200	52.606	ug/l	99
90) Hexachloroethane	13.959	117	63834	51.595	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	154449	51.554	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11886	42.460	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	96239	49.467	ug/l	100
94) Hexachlorobutadiene	15.111	225	62644	49.768	ug/l	98
95) Naphthalene	15.239	128	174765	45.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	79752	47.305	ug/l	99

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

