

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061521\
 Data File : VY005140.D
 Acq On : 15 Jun 2021 10:41
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 12:55:24 PM

Quant Time: Jun 16 04:13:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:12:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	189937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	267618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	9448	5.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.280%#		
35) Dibromofluoromethane	7.728	113	7950	5.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.640%#		
50) Toluene-d8	10.184	98	30534	4.820	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.640%#		
62) 4-Bromofluorobenzene	12.483	95	10285	4.828	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.660%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.905	85	11127	5.302	ug/l	97
3) Chloromethane	2.119	50	11653	5.385	ug/l	95
4) Vinyl Chloride	2.259	62	10896	5.245	ug/l	92
5) Bromomethane	2.655	94	6579	5.549	ug/l	92
6) Chloroethane	2.796	64	5997	5.079	ug/l	92
7) Trichlorofluoromethane	3.131	101	18119	5.218	ug/l	100
8) Diethyl Ether	3.539	74	6192	5.485	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	9892	5.262	ug/l	98
10) Methyl Iodide	4.100	142	10601	5.017	ug/l	99
11) Tert butyl alcohol	4.978	59	5792	31.323	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	9186	4.988	ug/l #	82
13) Acrolein	3.740	56	5051	28.248	ug/l	97
14) Allyl chloride	4.484	41	13041	5.081	ug/l	97
15) Acrylonitrile	5.179	53	13863	27.364	ug/l	97
16) Acetone	3.960	43	10994	29.432	ug/l	96
17) Carbon Disulfide	4.204	76	29144	5.312	ug/l	99
18) Methyl Acetate	4.490	43	6115	5.578	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	25291	5.023	ug/l	100
20) Methylene Chloride	4.728	84	19643	7.695	ug/l	93
21) trans-1,2-Dichloroethene	5.234	96	10185	5.131	ug/l	98
22) Diisopropyl ether	6.136	45	26286	5.061	ug/l	97
23) Vinyl Acetate	6.069	43	86375	25.210	ug/l	99
24) 1,1-Dichloroethane	6.033	63	16962	5.188	ug/l	99
25) 2-Butanone	7.002	43	14802	26.048	ug/l	97
26) 2,2-Dichloropropane	6.996	77	15769	5.044	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	10933	5.078	ug/l	96
28) Bromochloromethane	7.344	49	7168	5.843	ug/l	93
29) Tetrahydrofuran	7.362	42	10156	26.313	ug/l	99
30) Chloroform	7.514	83	17626	5.051	ug/l	95
31) Cyclohexane	7.795	56	18146	5.809	ug/l #	86
32) 1,1,1-Trichloroethane	7.709	97	17161	5.102	ug/l	100
36) 1,1-Dichloropropene	7.929	75	13945	5.121	ug/l	99
37) Ethyl Acetate	7.087	43	7685	5.539	ug/l	97
38) Carbon Tetrachloride	7.904	117	12969	4.486	ug/l	98
39) Methylcyclohexane	9.191	83	16048	4.755	ug/l	99
40) Benzene	8.167	78	39193	5.053	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	3289m	4.173	ug/l	
42) 1,2-Dichloroethane	8.246	62	12456	5.151	ug/l	98
43) Isopropyl Acetate	8.276	43	12865	5.060	ug/l	97
44) Trichloroethene	8.947	130	11373	4.995	ug/l	92
45) 1,2-Dichloropropane	9.221	63	8957	5.046	ug/l	100
46) Dibromomethane	9.307	93	5528	4.995	ug/l	98
47) Bromodichloromethane	9.502	83	13035	4.891	ug/l #	93
48) Methyl methacrylate	9.294	41	5972	5.246	ug/l	90
49) 1,4-Dioxane	9.307	88	1411	98.726	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	33200	25.535	ug/l	100
52) Toluene	10.252	92	24038	4.871	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	13644	4.786	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	15417	4.886	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	7739	5.035	ug/l	97
56) Ethyl methacrylate	10.514	69	9693	4.667	ug/l	99
57) 1,3-Dichloropropane	10.794	76	12468	4.798	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.788	63	22876	25.069	ug/l	100
59) 2-Hexanone	10.837	43	21479	23.888	ug/l	99
60) Dibromochloromethane	10.989	129	9030	4.728	ug/l	96
61) 1,2-Dibromoethane	11.093	107	7467	4.975	ug/l	97
64) Tetrachloroethene	10.721	164	11858	4.966	ug/l	96
65) Chlorobenzene	11.520	112	26487	5.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	9551	4.878	ug/l	98
67) Ethyl Benzene	11.593	91	44708	4.789	ug/l	96
68) m/p-Xylenes	11.709	106	35609	9.702	ug/l	100
69) o-Xylene	12.032	106	16072	4.656	ug/l	98
70) Styrene	12.044	104	27510	4.710	ug/l	98
71) Bromoform	12.215	173	5827	4.858	ug/l #	93
73) Isopropylbenzene	12.330	105	43525	4.792	ug/l	100
74) N-amyl acetate	12.148	43	10174	4.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.586	83	8455	5.361	ug/l	98
76) 1,2,3-Trichloropropane	12.641	75	5145m	5.127	ug/l	
77) Bromobenzene	12.617	156	10798	4.997	ug/l	98
78) n-propylbenzene	12.672	91	53128	4.894	ug/l	99
79) 2-Chlorotoluene	12.757	91	29723	4.897	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	36851	4.751	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.385	75	3386	5.432	ug/l	95
82) 4-Chlorotoluene	12.855	91	31176	4.968	ug/l	99
83) tert-Butylbenzene	13.080	119	32679	4.814	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	36549	4.770	ug/l	98
85) sec-Butylbenzene	13.257	105	47188	4.826	ug/l	100
86) p-Isopropyltoluene	13.373	119	40568	4.835	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	21172	5.019	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	21555	5.111	ug/l	93
89) n-Butylbenzene	13.702	91	37649	4.930	ug/l	98
90) Hexachloroethane	13.964	117	6877	5.029	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	19072	5.027	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	1797	5.719	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	11146	4.578	ug/l	98
94) Hexachlorobutadiene	15.117	225	6899	4.903	ug/l	99
95) Naphthalene	15.238	128	23394	4.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	10331	4.737	ug/l	98

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

