

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062221\
 Data File : VY005191.D
 Acq On : 22 Jun 2021 12:13
 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
 6/23/2021 5:30:23 PM

Quant Time: Jun 23 07:03:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:02:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	331324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	475789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	433553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	223511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	13925	5.065	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.120%#		
35) Dibromofluoromethane	7.728	113	13667	4.871	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.740%#		
50) Toluene-d8	10.185	98	53246	4.745	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.500%#		
62) 4-Bromofluorobenzene	12.483	95	17858	4.776	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	11838	5.434	ug/l	100
3) Chloromethane	2.119	50	17591	6.063	ug/l	92
4) Vinyl Chloride	2.253	62	18471	5.568	ug/l	95
5) Bromomethane	2.656	94	12131	5.765	ug/l	98
6) Chloroethane	2.796	64	12456	5.742	ug/l	97
7) Trichlorofluoromethane	3.131	101	22880	5.159	ug/l	98
8) Diethyl Ether	3.540	74	9030	5.443	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.912	101	13967	5.144	ug/l	98
10) Methyl Iodide	4.101	142	20265	5.247	ug/l	98
11) Tert butyl alcohol	4.942	59	25428	48.679	ug/l #	80
12) 1,1-Dichloroethene	3.887	96	14159	5.161	ug/l	88
13) Acrolein	3.741	56	3031	22.435	ug/l	85
14) Allyl chloride	4.491	41	20346	5.163	ug/l	98
15) Acrylonitrile	5.180	53	19799	25.689	ug/l	99
16) Acetone	3.967	43	18791	29.584	ug/l	97
17) Carbon Disulfide	4.198	76	45569	5.282	ug/l	97
18) Methyl Acetate	4.491	43	9685	5.737	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	38237	5.098	ug/l	99
20) Methylene Chloride	4.722	84	36528	8.127	ug/l	96
21) trans-1,2-Dichloroethene	5.235	96	15760	5.160	ug/l	98
22) Diisopropyl ether	6.131	45	42694	5.212	ug/l	97
23) Vinyl Acetate	6.070	43	132965	25.084	ug/l	97
24) 1,1-Dichloroethane	6.027	63	26716	5.255	ug/l	99
25) 2-Butanone	7.003	43	24178	26.105	ug/l	96
26) 2,2-Dichloropropane	6.990	77	22868	5.158	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	17448	5.079	ug/l	97
28) Bromochloromethane	7.344	49	10374	5.100	ug/l	95
29) Tetrahydrofuran	7.356	42	16263	26.688	ug/l	94
30) Chloroform	7.515	83	27125	5.243	ug/l	93
31) Cyclohexane	7.795	56	28185	5.742	ug/l #	78
32) 1,1,1-Trichloroethane	7.710	97	23182	5.024	ug/l	98
36) 1,1-Dichloropropene	7.929	75	21179	5.055	ug/l	99
37) Ethyl Acetate	7.088	43	11046	5.113	ug/l	97
38) Carbon Tetrachloride	7.911	117	22068	5.032	ug/l	97
39) Methylcyclohexane	9.185	83	26385	4.866	ug/l	95
40) Benzene	8.167	78	62519	5.061	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	6495m	5.261	ug/l	
42) 1,2-Dichloroethane	8.246	62	16884	5.032	ug/l	99
43) Isopropyl Acetate	8.283	43	20629	5.195	ug/l	99
44) Trichloroethene	8.941	130	16775	4.803	ug/l	94
45) 1,2-Dichloropropane	9.222	63	14633	4.950	ug/l	96
46) Dibromomethane	9.313	93	8726	5.076	ug/l	98
47) Bromodichloromethane	9.502	83	20165	5.002	ug/l	98
48) Methyl methacrylate	9.295	41	8743	5.018	ug/l	96
49) 1,4-Dioxane	9.307	88	2071	91.606	ug/l #	90
51) 4-Methyl-2-Pentanone	10.075	43	52512	25.264	ug/l	99
52) Toluene	10.246	92	38971	4.935	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	21641	4.904	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	24505	4.926	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	12632	5.031	ug/l	96
56) Ethyl methacrylate	10.514	69	15477	4.541	ug/l	94
57) 1,3-Dichloropropane	10.795	76	20947	4.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	38166	25.391	ug/l	100
59) 2-Hexanone	10.837	43	35398	24.761	ug/l	97
60) Dibromochloromethane	10.990	129	14744	4.794	ug/l	98
61) 1,2-Dibromoethane	11.093	107	12160	4.979	ug/l	95
64) Tetrachloroethene	10.721	164	15630	4.885	ug/l	95
65) Chlorobenzene	11.520	112	42822	4.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	15681	4.916	ug/l	99
67) Ethyl Benzene	11.593	91	72326	4.881	ug/l	97
68) m/p-Xylenes	11.703	106	56924	9.589	ug/l	99
69) o-Xylene	12.032	106	26744	4.757	ug/l	100
70) Styrene	12.044	104	43827	4.637	ug/l	99
71) Bromoform	12.209	173	10481	4.829	ug/l #	99
73) Isopropylbenzene	12.331	105	68787	4.745	ug/l	99
74) N-amyl acetate	12.148	43	17273	5.035	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	14473	5.067	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	10343m	5.365	ug/l	
77) Bromobenzene	12.611	156	18474	4.802	ug/l	96
78) n-propylbenzene	12.672	91	82739	4.840	ug/l	99
79) 2-Chlorotoluene	12.758	91	46837	4.857	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	57167	4.767	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	5412	5.094	ug/l	99
82) 4-Chlorotoluene	12.855	91	49739	4.986	ug/l	98
83) tert-Butylbenzene	13.075	119	49511	4.631	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	55691	4.697	ug/l	99
85) sec-Butylbenzene	13.258	105	74734	4.805	ug/l	99
86) p-Isopropyltoluene	13.373	119	63497	4.731	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	36139	4.921	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	36546	5.032	ug/l	96
89) n-Butylbenzene	13.703	91	57111	4.844	ug/l	99
90) Hexachloroethane	13.965	117	11785	4.861	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	32195	4.945	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2541	5.340	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	22878	4.986	ug/l	99
94) Hexachlorobutadiene	15.117	225	14103	4.911	ug/l	98
95) Naphthalene	15.239	128	39852	4.705	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	19898	4.924	ug/l	95

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

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