

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021022\
 Data File : VY007464.D
 Acq On : 10 Feb 2022 11:48
 Operator : SY/MD
 Sample : VY0210SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2022
 Supervised By : Mahesh Dadoda 02/11/2022

Quant Time: Feb 11 00:47:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	133894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	221074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	191068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76414	49.616	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.240%		
35) Dibromofluoromethane	7.722	113	73516	51.787	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.580%		
50) Toluene-d8	10.185	98	275891	52.604	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.200%		
62) 4-Bromofluorobenzene	12.483	95	91142	51.128	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34073	21.735	ug/l	99
3) Chloromethane	2.119	50	35145	18.324	ug/l	93
4) Vinyl Chloride	2.259	62	37239	20.145	ug/l	96
5) Bromomethane	2.655	94	25819	23.059	ug/l	99
6) Chloroethane	2.796	64	23532	20.728	ug/l	94
7) Trichlorofluoromethane	3.131	101	61874	20.655	ug/l	91
8) Diethyl Ether	3.533	74	17646	19.845	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.905	101	34551	20.479	ug/l	91
10) Methyl Iodide	4.100	142	35008	19.248	ug/l	96
11) Tert butyl alcohol	4.954	59	11110	18.108	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	32068	20.577	ug/l	84
13) Acrolein	3.728	56	15044	72.714	ug/l	96
14) Allyl chloride	4.484	41	48091	20.091	ug/l #	94
15) Acrylonitrile	5.167	53	37941	90.819	ug/l	99
16) Acetone	3.948	43	37920	75.812	ug/l	95
17) Carbon Disulfide	4.204	76	96232	19.669	ug/l	97
18) Methyl Acetate	4.478	43	17753	18.950	ug/l #	88
19) Methyl tert-butyl Ether	5.228	73	82644	18.823	ug/l	94
20) Methylene Chloride	4.722	84	33133	19.016	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	34373	19.937	ug/l	94
22) Diisopropyl ether	6.118	45	98111	19.562	ug/l	97
23) Vinyl Acetate	6.063	43	302703	92.543	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	61028	20.147	ug/l	98
25) 2-Butanone	6.990	43	48910	80.933	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	56743	19.577	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	37290	19.582	ug/l	91
28) Bromochloromethane	7.338	49	21843	18.442	ug/l	87
29) Tetrahydrofuran	7.350	42	30755	88.070	ug/l	89
30) Chloroform	7.508	83	63302	20.089	ug/l	97
31) Cyclohexane	7.789	56	60019	19.972	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	58850	20.095	ug/l	95
36) 1,1-Dichloropropene	7.923	75	49481	19.938	ug/l	98
37) Ethyl Acetate	7.075	43	22440	18.187	ug/l	96
38) Carbon Tetrachloride	7.904	117	53472	20.508	ug/l	100
39) Methylcyclohexane	9.185	83	63583	20.401	ug/l	90
40) Benzene	8.167	78	132115	20.083	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	13860m	22.605	ug/l	
42) 1,2-Dichloroethane	8.240	62	39170	19.587	ug/l	94
43) Isopropyl Acetate	8.276	43	42228	18.301	ug/l #	91
44) Trichloroethene	8.941	130	35576	20.001	ug/l	93
45) 1,2-Dichloropropane	9.221	63	32133	19.809	ug/l	95
46) Dibromomethane	9.313	93	18909	19.593	ug/l	92
47) Bromodichloromethane	9.502	83	46312	19.845	ug/l	99
48) Methyl methacrylate	9.294	41	19134	18.336	ug/l #	87
49) 1,4-Dioxane	9.307	88	3824	361.732	ug/l #	79
51) 4-Methyl-2-Pentanone	10.075	43	104394	89.206	ug/l	90
52) Toluene	10.246	92	84474	20.381	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	47168	19.347	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	54742	20.046	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	25478	20.101	ug/l	96
56) Ethyl methacrylate	10.514	69	33511	19.035	ug/l #	83
57) 1,3-Dichloropropane	10.794	76	43551	19.379	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	84934	92.746	ug/l	96
59) 2-Hexanone	10.837	43	73738	86.429	ug/l	91
60) Dibromochloromethane	10.989	129	30505	19.332	ug/l	98
61) 1,2-Dibromoethane	11.093	107	24025	19.159	ug/l	99
64) Tetrachloroethene	10.721	164	31877	21.259	ug/l	94
65) Chlorobenzene	11.520	112	86303	20.304	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	31571	19.897	ug/l	98
67) Ethyl Benzene	11.593	91	165033	20.461	ug/l	100
68) m/p-Xylenes	11.703	106	121505	40.674	ug/l	100
69) o-Xylene	12.032	106	57323	20.296	ug/l	99
70) Styrene	12.050	104	95207	20.449	ug/l	98
71) Bromoform	12.209	173	17226	19.677	ug/l #	99
73) Isopropylbenzene	12.331	105	158569	20.409	ug/l	99
74) N-amyl acetate	12.148	43	35397	18.406	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	27006	19.034	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	22544m	22.307	ug/l	
77) Bromobenzene	12.611	156	32304	19.739	ug/l	98
78) n-propylbenzene	12.672	91	196425	20.873	ug/l	98
79) 2-Chlorotoluene	12.757	91	105962	20.337	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	131818	20.798	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	9203	18.243	ug/l	91
82) 4-Chlorotoluene	12.855	91	108416	20.259	ug/l	98
83) tert-Butylbenzene	13.074	119	115281	20.893	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	126436	20.260	ug/l	98
85) sec-Butylbenzene	13.257	105	171972	20.779	ug/l	97
86) p-Isopropyltoluene	13.373	119	139802	20.736	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	64336	20.275	ug/l	98
88) 1,4-Dichlorobenzene	13.452	146	63092	19.947	ug/l	97
89) n-Butylbenzene	13.696	91	135511	20.883	ug/l	99
90) Hexachloroethane	13.964	117	26442	20.753	ug/l	77
91) 1,2-Dichlorobenzene	13.745	146	55781	19.972	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4120	17.869	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	32271	19.511	ug/l	98
94) Hexachlorobutadiene	15.117	225	19359	21.143	ug/l	99
95) Naphthalene	15.239	128	65521	19.062	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	27191	19.475	ug/l	96

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

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