

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021622\
 Data File : VY007510.D
 Acq On : 16 Feb 2022 14:09
 Operator : SY/MD
 Sample : VY0216SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 02:56:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	125435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	178576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	68441	49.421	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.840%			
35) Dibromofluoromethane	7.722	113	66207	51.521	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.040%			
50) Toluene-d8	10.185	98	245942	50.390	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.483	95	83070	50.195	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32312	23.286	ug/l	99
3) Chloromethane	2.113	50	26937	20.485	ug/l	98
4) Vinyl Chloride	2.253	62	23538	16.860	ug/l	95
5) Bromomethane	2.656	94	14758	15.588	ug/l	97
6) Chloroethane	2.796	64	11629	14.076	ug/l	98
7) Trichlorofluoromethane	3.131	101	57436	21.643	ug/l	93
8) Diethyl Ether	3.540	74	15311	19.963	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.906	101	30847	21.141	ug/l	95
10) Methyl Iodide	4.101	142	35198	19.541	ug/l	95
11) Tert butyl alcohol	4.954	59	11712	108.113	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	28535	20.951	ug/l	84
13) Acrolein	3.735	56	11758	108.083	ug/l	100
14) Allyl chloride	4.491	41	37881	19.788	ug/l #	89
15) Acrylonitrile	5.167	53	32684	96.801	ug/l	99
16) Acetone	3.948	43	29842	81.220	ug/l	94
17) Carbon Disulfide	4.198	76	80709	20.573	ug/l	98
18) Methyl Acetate	4.479	43	15190	18.345	ug/l #	84
19) Methyl tert-butyl Ether	5.228	73	76992	20.382	ug/l #	90
20) Methylene Chloride	4.729	84	30700	20.386	ug/l #	81
21) trans-1,2-Dichloroethene	5.228	96	31526	21.184	ug/l	84
22) Diisopropyl ether	6.125	45	80784	20.072	ug/l #	96
23) Vinyl Acetate	6.070	43	251896	98.104	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	51029	20.287	ug/l	98
25) 2-Butanone	6.990	43	41079	90.298	ug/l #	85
26) 2,2-Dichloropropane	6.990	77	51750	20.532	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	34627	20.875	ug/l	86
28) Bromochloromethane	7.344	49	18333	19.017	ug/l #	75
29) Tetrahydrofuran	7.350	42	26677	99.927	ug/l #	81
30) Chloroform	7.515	83	56351	20.753	ug/l	96
31) Cyclohexane	7.789	56	50301	20.539	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	55011	21.275	ug/l	96
36) 1,1-Dichloropropene	7.923	75	43773	21.025	ug/l	97
37) Ethyl Acetate	7.076	43	18991	20.189	ug/l #	93
38) Carbon Tetrachloride	7.905	117	50052	21.157	ug/l	97
39) Methylcyclohexane	9.185	83	56544	20.919	ug/l	88
40) Benzene	8.161	78	118991	20.786	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10014	16.399	ug/l #	54
42) 1,2-Dichloroethane	8.240	62	36127	20.653	ug/l	93
43) Isopropyl Acetate	8.277	43	36894	19.311	ug/l #	90
44) Trichloroethene	8.941	130	34706	21.372	ug/l	94
45) 1,2-Dichloropropane	9.222	63	27651	20.315	ug/l	98
46) Dibromomethane	9.307	93	17064	20.189	ug/l	95
47) Bromodichloromethane	9.496	83	43500	21.193	ug/l	100
48) Methyl methacrylate	9.295	41	17057	20.146	ug/l #	86
49) 1,4-Dioxane	9.295	88	3828	420.713	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	93155	98.178	ug/l	89
52) Toluene	10.246	92	78103	21.278	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	44961	20.979	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	49109	20.536	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	23069	20.578	ug/l	93
56) Ethyl methacrylate	10.514	69	30352	20.134	ug/l #	82
57) 1,3-Dichloropropane	10.795	76	40162	20.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	75550	96.181	ug/l	90
59) 2-Hexanone	10.831	43	63976	93.392	ug/l	85
60) Dibromochloromethane	10.984	129	29625	20.956	ug/l	98
61) 1,2-Dibromoethane	11.087	107	22655	20.269	ug/l	97
64) Tetrachloroethene	10.721	164	31176	22.137	ug/l	95
65) Chlorobenzene	11.520	112	82799	21.169	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	30989	20.978	ug/l	98
67) Ethyl Benzene	11.593	91	154822	21.150	ug/l	100
68) m/p-Xylenes	11.703	106	117325	42.350	ug/l	97
69) o-Xylene	12.032	106	55048	21.000	ug/l	99
70) Styrene	12.044	104	91443	21.216	ug/l	98
71) Bromoform	12.209	173	17235	21.184	ug/l #	100
73) Isopropylbenzene	12.331	105	152287	21.542	ug/l	99
74) N-amyl acetate	12.142	43	33308	20.812	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	24142	19.938	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19446m	21.091	ug/l	
77) Bromobenzene	12.611	156	33011	21.745	ug/l	94
78) n-propylbenzene	12.672	91	182181	21.416	ug/l	99
79) 2-Chlorotoluene	12.758	91	99327	21.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	127904	21.843	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	8436	19.017	ug/l	92
82) 4-Chlorotoluene	12.855	91	102904	21.404	ug/l	99
83) tert-Butylbenzene	13.075	119	109126	21.322	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	126394	22.261	ug/l	99
85) sec-Butylbenzene	13.251	105	162992	21.605	ug/l	99
86) p-Isopropyltoluene	13.367	119	136148	21.909	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	64307	21.758	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	62766	21.403	ug/l	98
89) n-Butylbenzene	13.696	91	127156	21.517	ug/l	99
90) Hexachloroethane	13.959	117	25120	21.155	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	55286	21.240	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4483	21.807	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	34213	21.955	ug/l	98
94) Hexachlorobutadiene	15.111	225	20147	22.291	ug/l	99
95) Naphthalene	15.233	128	71724	21.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29958	22.231	ug/l	96

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

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