

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009163.D
 Acq On : 07 Jun 2022 14:43
 Operator : KP/MD
 Sample : VY0607SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0607SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 07 14:57:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	120253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	194079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	184119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54887	44.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.700%		
35) Dibromofluoromethane	7.710	113	60805	50.383	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.760%		
50) Toluene-d8	10.173	98	182063	40.892	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.780%		
62) 4-Bromofluorobenzene	12.483	95	87873	48.927	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20410	18.557	ug/l	96
3) Chloromethane	2.107	50	36612	23.236	ug/l	96
4) Vinyl Chloride	2.247	62	57788	24.755	ug/l	98
5) Bromomethane	2.625	94	56149	24.537	ug/l	97
6) Chloroethane	2.778	64	43690	26.418	ug/l	95
7) Trichlorofluoromethane	3.107	101	43296	21.840	ug/l	97
8) Diethyl Ether	3.521	74	12602	20.329	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.887	101	23742	19.486	ug/l	96
10) Methyl Iodide	4.076	142	24952	19.832	ug/l	91
11) Tert butyl alcohol	4.948	59	13116	104.480	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	22567	19.952	ug/l	82
13) Acrolein	3.723	56	4001	96.827	ug/l	97
14) Allyl chloride	4.466	41	32444	19.034	ug/l #	85
15) Acrylonitrile	5.155	53	33171	95.572	ug/l	99
16) Acetone	3.942	43	27326	106.071	ug/l	93
17) Carbon Disulfide	4.180	76	65596	17.752	ug/l	99
18) Methyl Acetate	4.466	43	17207	21.449	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	65082	19.170	ug/l #	90
20) Methylene Chloride	4.704	84	31981	16.877	ug/l	82
21) trans-1,2-Dichloroethene	5.204	96	27190	18.729	ug/l	85
22) Diisopropyl ether	6.112	45	77666	18.965	ug/l #	95
23) Vinyl Acetate	6.051	43	245100	90.481	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	46801	19.107	ug/l	97
25) 2-Butanone	6.978	43	43474	94.480	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	45064	19.973	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	30657	18.733	ug/l	90
28) Bromochloromethane	7.326	49	15488	18.422	ug/l #	90
29) Tetrahydrofuran	7.344	42	28733	91.927	ug/l #	86
30) Chloroform	7.496	83	50839	19.228	ug/l	98
31) Cyclohexane	7.777	56	42045	17.365	ug/l	89
32) 1,1,1-Trichloroethane	7.691	97	46171	19.248	ug/l	98
36) 1,1-Dichloropropene	7.911	75	38673	18.830	ug/l	99
37) Ethyl Acetate	7.064	43	20640	19.373	ug/l	96
38) Carbon Tetrachloride	7.893	117	40338	18.775	ug/l	97
39) Methylcyclohexane	9.179	83	46343	17.481	ug/l	89
40) Benzene	8.155	78	113048	19.088	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9504m	17.287	ug/l	
42) 1,2-Dichloroethane	8.234	62	33219	19.101	ug/l	91
43) Isopropyl Acetate	8.271	43	37672	19.017	ug/l #	88
44) Trichloroethene	8.935	130	29803	19.005	ug/l	99
45) 1,2-Dichloropropane	9.209	63	27288	19.189	ug/l	99
46) Dibromomethane	9.301	93	16593	18.350	ug/l	92
47) Bromodichloromethane	9.490	83	40521	19.608	ug/l	96
48) Methyl methacrylate	9.289	41	16063	18.159	ug/l #	81
49) 1,4-Dioxane	9.289	88	4399	363.924	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	102534	93.523	ug/l	93
52) Toluene	10.240	92	74147	17.915	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	40458	18.436	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	45066	19.102	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	23349	18.457	ug/l	98
56) Ethyl methacrylate	10.508	69	28344	17.524	ug/l	90
57) 1,3-Dichloropropane	10.788	76	39193	18.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	55599	79.457	ug/l	93
59) 2-Hexanone	10.831	43	69775	92.954	ug/l	91
60) Dibromochloromethane	10.984	129	27894	18.189	ug/l	100
61) 1,2-Dibromoethane	11.087	107	22204	17.712	ug/l	97
64) Tetrachloroethene	10.715	164	26009	19.408	ug/l	98
65) Chlorobenzene	11.514	112	79196	18.740	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	28998	18.740	ug/l	97
67) Ethyl Benzene	11.593	91	141728	18.610	ug/l	98
68) m/p-Xylenes	11.703	106	111928	36.204	ug/l	91
69) o-Xylene	12.026	106	52552	18.305	ug/l	89
70) Styrene	12.044	104	88011	17.826	ug/l	94
71) Bromoform	12.209	173	17080	16.651	ug/l #	99
73) Isopropylbenzene	12.331	105	137476	18.970	ug/l	100
74) N-amyl acetate	12.142	43	34282	20.504	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	28602	19.160	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	20836m	20.020	ug/l	
77) Bromobenzene	12.611	156	32608	19.411	ug/l	93
78) n-propylbenzene	12.672	91	172997	20.662	ug/l	100
79) 2-Chlorotoluene	12.758	91	93703	19.402	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	115803	19.065	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	9915	19.554	ug/l	88
82) 4-Chlorotoluene	12.855	91	102286	19.802	ug/l	98
83) tert-Butylbenzene	13.075	119	101403	18.817	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	118363	19.630	ug/l	98
85) sec-Butylbenzene	13.251	105	162121	19.663	ug/l	99
86) p-Isopropyltoluene	13.367	119	134168	19.514	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	69213	19.315	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	67987	18.884	ug/l	100
89) n-Butylbenzene	13.696	91	130288	20.713	ug/l	98
90) Hexachloroethane	13.959	117	26152	20.297	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	61051	19.300	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4428	19.106	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	32557	18.754	ug/l	97
94) Hexachlorobutadiene	15.111	225	19202	20.294	ug/l	99
95) Naphthalene	15.239	128	64521	18.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	29087	19.281	ug/l	99

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

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