

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009162.D
 Acq On : 07 Jun 2022 13:39
 Operator : KP/MD
 Sample : VY0607SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 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 14:57:06 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	108102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	181276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	170292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52779	47.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.880%		
35) Dibromofluoromethane	7.710	113	57397	50.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.840%		
50) Toluene-d8	10.179	98	174110	41.868	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	83.740%		
62) 4-Bromofluorobenzene	12.483	95	81522	48.596	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18093	18.299	ug/l	94
3) Chloromethane	2.113	50	34267	24.192	ug/l	90
4) Vinyl Chloride	2.247	62	52774	25.148	ug/l	98
5) Bromomethane	2.625	94	53739	26.124	ug/l	97
6) Chloroethane	2.784	64	39859	26.810	ug/l	97
7) Trichlorofluoromethane	3.113	101	40115	22.509	ug/l	92
8) Diethyl Ether	3.521	74	12264	22.008	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	21746	19.854	ug/l	95
10) Methyl Iodide	4.082	142	21603	19.101	ug/l	92
11) Tert butyl alcohol	4.948	59	13731	121.674	ug/l	98
12) 1,1-Dichloroethene	3.857	96	20687	20.346	ug/l	81
13) Acrolein	3.717	56	3595	96.781	ug/l #	62
14) Allyl chloride	4.460	41	30861	20.140	ug/l #	88
15) Acrylonitrile	5.155	53	31225	100.077	ug/l	97
16) Acetone	3.942	43	25757	111.219	ug/l	92
17) Carbon Disulfide	4.180	76	61452	18.499	ug/l	97
18) Methyl Acetate	4.466	43	15715	21.791	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	61281	20.080	ug/l	94
20) Methylene Chloride	4.704	84	27947	16.137	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	24985	19.145	ug/l	89
22) Diisopropyl ether	6.112	45	73473	19.958	ug/l	97
23) Vinyl Acetate	6.051	43	231634	95.122	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	45004	20.439	ug/l	99
25) 2-Butanone	6.978	43	42887	103.681	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	42940	21.171	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	29097	19.778	ug/l	88
28) Bromochloromethane	7.332	49	14688	19.435	ug/l	89
29) Tetrahydrofuran	7.338	42	26385	93.904	ug/l #	86
30) Chloroform	7.502	83	47331	19.914	ug/l	99
31) Cyclohexane	7.777	56	38687	17.775	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	42161	19.552	ug/l	98
36) 1,1-Dichloropropene	7.911	75	35401	18.454	ug/l	98
37) Ethyl Acetate	7.070	43	19962	20.060	ug/l	96
38) Carbon Tetrachloride	7.893	117	37454	18.664	ug/l	97
39) Methylcyclohexane	9.179	83	41280	16.671	ug/l	89
40) Benzene	8.155	78	105800	19.126	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	8945m	17.420	ug/l	
42) 1,2-Dichloroethane	8.234	62	31273	19.252	ug/l	93
43) Isopropyl Acetate	8.271	43	35336	19.097	ug/l #	93
44) Trichloroethene	8.935	130	27514	18.785	ug/l	92
45) 1,2-Dichloropropane	9.216	63	25406	19.127	ug/l	91
46) Dibromomethane	9.301	93	16072	19.029	ug/l	94
47) Bromodichloromethane	9.496	83	38195	19.788	ug/l	93
48) Methyl methacrylate	9.289	41	15737	19.047	ug/l #	85
49) 1,4-Dioxane	9.295	88	3974	351.984	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	95431	93.192	ug/l	92
52) Toluene	10.240	92	68068	17.607	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	38511	18.788	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	42352	19.220	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	21797	18.447	ug/l	98
56) Ethyl methacrylate	10.508	69	26763	17.716	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	37592	19.503	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	55444	84.832	ug/l	96
59) 2-Hexanone	10.831	43	66420	94.734	ug/l	94
60) Dibromochloromethane	10.984	129	26699	18.640	ug/l	97
61) 1,2-Dibromoethane	11.087	107	21527	18.385	ug/l	99
64) Tetrachloroethene	10.715	164	24225	19.544	ug/l	96
65) Chlorobenzene	11.514	112	73199	18.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	26949	18.830	ug/l	97
67) Ethyl Benzene	11.593	91	132284	18.780	ug/l	99
68) m/p-Xylenes	11.703	106	104134	36.418	ug/l	91
69) o-Xylene	12.026	106	49417	18.610	ug/l	89
70) Styrene	12.044	104	81126	17.766	ug/l	96
71) Bromoform	12.209	173	16649	17.548	ug/l #	98
73) Isopropylbenzene	12.331	105	128343	19.276	ug/l	100
74) N-amyl acetate	12.142	43	32700	21.287	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	27759	20.239	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	19541m	20.436	ug/l	
77) Bromobenzene	12.605	156	30216	19.578	ug/l	94
78) n-propylbenzene	12.672	91	162971	21.186	ug/l	100
79) 2-Chlorotoluene	12.758	91	85200	19.202	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	107588	19.279	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9007	19.334	ug/l	90
82) 4-Chlorotoluene	12.855	91	89855	18.933	ug/l	97
83) tert-Butylbenzene	13.075	119	92086	18.599	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	108455	19.577	ug/l	96
85) sec-Butylbenzene	13.251	105	143785	18.981	ug/l	99
86) p-Isopropyltoluene	13.367	119	120889	19.137	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	63105	19.167	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	64815	19.595	ug/l	98
89) n-Butylbenzene	13.696	91	114843	19.872	ug/l	98
90) Hexachloroethane	13.959	117	23712	20.030	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	56584	19.470	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4061	19.072	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	30559	19.159	ug/l	100
94) Hexachlorobutadiene	15.111	225	17193	19.778	ug/l	100
95) Naphthalene	15.239	128	60801	18.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	28085	20.263	ug/l	97

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

