

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009023.D
 Acq On : 23 May 2022 22:29
 Operator : KP/MD
 Sample : VY0523SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS02

Quant Time: May 24 01:52:15 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

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	97412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	164277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	159425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44926	44.812	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.620%		
35) Dibromofluoromethane	7.716	113	48388	47.368	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.740%		
50) Toluene-d8	10.179	98	153666	40.775	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.560%		
62) 4-Bromofluorobenzene	12.483	95	70057	46.083	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	17817	19.998	ug/l	99
3) Chloromethane	2.107	50	30155	23.625	ug/l	96
4) Vinyl Chloride	2.247	62	44918	23.753	ug/l	100
5) Bromomethane	2.625	94	52899	28.538	ug/l	98
6) Chloroethane	2.784	64	33844	25.263	ug/l	93
7) Trichlorofluoromethane	3.113	101	34665	21.586	ug/l	92
8) Diethyl Ether	3.527	74	11335	22.573	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	20707	20.980	ug/l	93
10) Methyl Iodide	4.088	142	17458	17.130	ug/l	93
11) Tert butyl alcohol	4.948	59	12004	118.044	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	19098	20.844	ug/l	86
13) Acrolein	3.716	56	5013	149.765	ug/l	95
14) Allyl chloride	4.466	41	28038	20.306	ug/l #	86
15) Acrylonitrile	5.155	53	32400	115.239	ug/l	98
16) Acetone	3.942	43	25467	122.034	ug/l	93
17) Carbon Disulfide	4.186	76	58602	19.577	ug/l	100
18) Methyl Acetate	4.466	43	15917	24.493	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	58366	21.223	ug/l	98
20) Methylene Chloride	4.710	84	34052	25.207	ug/l #	85
21) trans-1,2-Dichloroethene	5.216	96	24041	20.443	ug/l #	82
22) Diisopropyl ether	6.112	45	69058	20.818	ug/l	98
23) Vinyl Acetate	6.057	43	229745	104.699	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	41905	21.120	ug/l #	96
25) 2-Butanone	6.984	43	41542	111.451	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	33864	18.528	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	27240	20.548	ug/l	88
28) Bromochloromethane	7.325	49	16131	23.686	ug/l #	90
29) Tetrahydrofuran	7.344	42	28874	114.039	ug/l	89
30) Chloroform	7.502	83	44684	20.863	ug/l	99
31) Cyclohexane	7.777	56	38208	19.481	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	40010	20.591	ug/l	98
36) 1,1-Dichloropropene	7.917	75	34604	19.905	ug/l	99
37) Ethyl Acetate	7.069	43	20035	22.217	ug/l	95
38) Carbon Tetrachloride	7.899	117	35039	19.267	ug/l	96
39) Methylcyclohexane	9.179	83	41029	18.284	ug/l	88
40) Benzene	8.155	78	100834	20.114	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8738m	18.777	ug/l	
42) 1,2-Dichloroethane	8.234	62	31327	21.281	ug/l	93
43) Isopropyl Acetate	8.270	43	36502	21.769	ug/l	93
44) Trichloroethene	8.935	130	26008	19.594	ug/l	89
45) 1,2-Dichloropropane	9.209	63	24777	20.584	ug/l	92
46) Dibromomethane	9.301	93	16180	21.140	ug/l	91
47) Bromodichloromethane	9.496	83	36355	20.783	ug/l	98
48) Methyl methacrylate	9.289	41	16533	22.081	ug/l #	87
49) 1,4-Dioxane	9.295	88	4310	421.246	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	104300	112.393	ug/l	94
52) Toluene	10.240	92	66907	19.098	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	35976	19.367	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	39423	19.742	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	21529	20.105	ug/l	92
56) Ethyl methacrylate	10.508	69	26715	19.514	ug/l	91
57) 1,3-Dichloropropane	10.788	76	36330	20.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	61210	103.345	ug/l	97
59) 2-Hexanone	10.831	43	72195	113.626	ug/l	93
60) Dibromochloromethane	10.983	129	25102	19.338	ug/l	100
61) 1,2-Dibromoethane	11.087	107	20987	19.778	ug/l	97
64) Tetrachloroethene	10.721	164	22188	19.121	ug/l	96
65) Chlorobenzene	11.514	112	71531	19.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	26153	19.519	ug/l	97
67) Ethyl Benzene	11.593	91	126085	19.120	ug/l	96
68) m/p-Xylenes	11.703	106	101551	37.935	ug/l	91
69) o-Xylene	12.026	106	47395	19.066	ug/l	91
70) Styrene	12.044	104	81279	19.012	ug/l	93
71) Bromoform	12.209	173	16773	18.884	ug/l #	97
73) Isopropylbenzene	12.331	105	125879	19.170	ug/l	99
74) N-amyl acetate	12.142	43	34138	22.533	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	28093	20.768	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	19821m	21.018	ug/l	
77) Bromobenzene	12.605	156	28801	18.921	ug/l	98
78) n-propylbenzene	12.672	91	158507	20.893	ug/l	99
79) 2-Chlorotoluene	12.757	91	85471	19.531	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	105977	19.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	9037	19.668	ug/l	90
82) 4-Chlorotoluene	12.855	91	90321	19.297	ug/l	96
83) tert-Butylbenzene	13.074	119	93726	19.194	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	106912	19.567	ug/l	96
85) sec-Butylbenzene	13.251	105	144358	19.322	ug/l	100
86) p-Isopropyltoluene	13.367	119	120136	19.283	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	62634	19.289	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	63582	19.490	ug/l	99
89) n-Butylbenzene	13.696	91	115275	20.225	ug/l	98
90) Hexachloroethane	13.958	117	24058	20.606	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	57191	19.953	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	4583	21.823	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	30252	19.231	ug/l	99
94) Hexachlorobutadiene	15.111	225	17140	19.991	ug/l	97
95) Naphthalene	15.233	128	64425	20.387	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	26868	19.655	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

