

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009051.D
 Acq On : 24 May 2022 11:02
 Operator : KP/MD
 Sample : VY0524SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0524SBS01

Quant Time: May 25 02:49:35 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 :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	99821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	167899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	159003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44748	43.557	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.120%		
35) Dibromofluoromethane	7.715	113	46394	44.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.880%		
50) Toluene-d8	10.178	98	147749	38.359	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	76.720%		
62) 4-Bromofluorobenzene	12.483	95	68284	43.948	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17926	19.635	ug/l	97
3) Chloromethane	2.113	50	28383	21.700	ug/l	98
4) Vinyl Chloride	2.247	62	43443	22.419	ug/l	98
5) Bromomethane	2.631	94	44327	23.336	ug/l	97
6) Chloroethane	2.783	64	30601	22.291	ug/l	99
7) Trichlorofluoromethane	3.119	101	35802	21.756	ug/l	92
8) Diethyl Ether	3.527	74	10099	19.626	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	21547	21.304	ug/l	92
10) Methyl Iodide	4.088	142	17919	17.158	ug/l	95
11) Tert butyl alcohol	4.948	59	11728	112.546	ug/l	99
12) 1,1-Dichloroethene	3.869	96	18857	20.084	ug/l	95
13) Acrolein	3.728	56	5932	172.944	ug/l	94
14) Allyl chloride	4.478	41	28158	19.900	ug/l #	87
15) Acrylonitrile	5.155	53	29434	102.163	ug/l	100
16) Acetone	3.948	43	25140	117.560	ug/l #	89
17) Carbon Disulfide	4.192	76	59862	19.516	ug/l	98
18) Methyl Acetate	4.478	43	13693	20.563	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	54708	19.413	ug/l	97
20) Methylene Chloride	4.710	84	31971	22.290	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	23006	19.091	ug/l	85
22) Diisopropyl ether	6.112	45	65467	19.259	ug/l #	88
23) Vinyl Acetate	6.057	43	218840	97.323	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	41083	20.206	ug/l	98
25) 2-Butanone	6.984	43	40836	106.913	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	39714	21.204	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	26803	19.730	ug/l	88
28) Bromochloromethane	7.331	49	14924	21.385	ug/l	91
29) Tetrahydrofuran	7.344	42	26119	100.669	ug/l	90
30) Chloroform	7.508	83	43165	19.667	ug/l	96
31) Cyclohexane	7.782	56	38738	19.274	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	39288	19.731	ug/l	99
36) 1,1-Dichloropropene	7.917	75	34587	19.466	ug/l	100
37) Ethyl Acetate	7.069	43	18440	20.007	ug/l #	94
38) Carbon Tetrachloride	7.898	117	35022	18.842	ug/l	93
39) Methylcyclohexane	9.179	83	41222	17.974	ug/l	92
40) Benzene	8.154	78	95842	18.706	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9249m	19.447	ug/l	
42) 1,2-Dichloroethane	8.240	62	29765	19.784	ug/l	92
43) Isopropyl Acetate	8.270	43	33259	19.407	ug/l	92
44) Trichloroethene	8.941	130	25896	19.088	ug/l	100
45) 1,2-Dichloropropane	9.215	63	23891	19.420	ug/l	95
46) Dibromomethane	9.301	93	14795	18.913	ug/l	94
47) Bromodichloromethane	9.496	83	35284	19.736	ug/l	99
48) Methyl methacrylate	9.288	41	15422	20.153	ug/l	90
49) 1,4-Dioxane	9.294	88	3587	343.020	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	94866	100.021	ug/l	94
52) Toluene	10.245	92	65915	18.409	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	35565	18.733	ug/l	95
54) cis-1,3-Dichloropropene	9.928	75	38832	19.026	ug/l	88
55) 1,1,2-Trichloroethane	10.642	97	20302	18.550	ug/l	98
56) Ethyl methacrylate	10.508	69	25802	18.440	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	34348	19.240	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	60177	99.409	ug/l	97
59) 2-Hexanone	10.831	43	63992	98.543	ug/l	92
60) Dibromochloromethane	10.983	129	24051	18.129	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19542	18.019	ug/l	98
64) Tetrachloroethene	10.721	164	22762	19.668	ug/l	95
65) Chlorobenzene	11.514	112	69307	18.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	25394	19.003	ug/l	97
67) Ethyl Benzene	11.593	91	124197	18.884	ug/l	96
68) m/p-Xylenes	11.703	106	99934	37.430	ug/l	92
69) o-Xylene	12.032	106	46215	18.640	ug/l	90
70) Styrene	12.044	104	78234	18.349	ug/l	94
71) Bromoform	12.209	173	15691	17.713	ug/l #	98
73) Isopropylbenzene	12.330	105	123292	19.033	ug/l	99
74) N-amyl acetate	12.141	43	31746	21.241	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.580	83	26673	19.989	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	20061m	21.564	ug/l	
77) Bromobenzene	12.611	156	27626	18.398	ug/l	97
78) n-propylbenzene	12.672	91	158320	21.154	ug/l	100
79) 2-Chlorotoluene	12.757	91	82653	19.146	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	102887	18.950	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	8511	18.778	ug/l	89
82) 4-Chlorotoluene	12.855	91	87912	19.040	ug/l	95
83) tert-Butylbenzene	13.074	119	90235	18.733	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	104641	19.414	ug/l	96
85) sec-Butylbenzene	13.257	105	142859	19.384	ug/l	98
86) p-Isopropyltoluene	13.373	119	117758	19.160	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	59731	18.648	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	60892	18.922	ug/l	99
89) n-Butylbenzene	13.696	91	115058	20.464	ug/l	97
90) Hexachloroethane	13.964	117	22964	19.939	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	53695	18.990	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4260	20.563	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	28209	18.178	ug/l	99
94) Hexachlorobutadiene	15.110	225	16508	19.518	ug/l	97
95) Naphthalene	15.238	128	56396	18.091	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	23788	17.641	ug/l	97

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

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