

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008833.D
 Acq On : 18 May 2022 23:27
 Operator : KP/MD
 Sample : VY0518SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0518SBS02

Quant Time: May 19 03:15:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2022
 Supervised By :Mahesh Dadoda 05/23/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	123065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	215045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	74543	65.292	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.580%			
35) Dibromofluoromethane	7.716	113	69755	55.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.040%			
50) Toluene-d8	10.179	98	285031	50.970	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.483	95	94516	47.602	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21436	24.902	ug/l	96
3) Chloromethane	2.113	50	29797	20.935	ug/l	97
4) Vinyl Chloride	2.247	62	45595	23.037	ug/l	99
5) Bromomethane	2.643	94	47997	32.434	ug/l	99
6) Chloroethane	2.790	64	34305	23.429	ug/l	97
7) Trichlorofluoromethane	3.119	101	40728	21.564	ug/l	95
8) Diethyl Ether	3.527	74	12807	23.487	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	25060	22.184	ug/l	94
10) Methyl Iodide	4.088	142	24510	19.224	ug/l	95
11) Tert butyl alcohol	4.960	59	11457	90.799	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	22449	21.498	ug/l	85
13) Acrolein	3.728	56	6638	106.343	ug/l	99
14) Allyl chloride	4.472	41	33331	21.700	ug/l #	88
15) Acrylonitrile	5.161	53	33284	90.016	ug/l	99
16) Acetone	3.942	43	24709	78.623	ug/l	91
17) Carbon Disulfide	4.192	76	65992	22.258	ug/l	98
18) Methyl Acetate	4.478	43	18542	20.066	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	66038	23.481	ug/l	95
20) Methylene Chloride	4.710	84	35711	27.392	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	27417	21.413	ug/l	83
22) Diisopropyl ether	6.124	45	81283	24.988	ug/l	92
23) Vinyl Acetate	6.057	43	247872	108.073	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	49955	23.144	ug/l	97
25) 2-Butanone	6.984	43	43025	89.800	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	40318	19.653	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	32422	22.830	ug/l	86
28) Bromochloromethane	7.332	49	18812	22.989	ug/l #	91
29) Tetrahydrofuran	7.350	42	28378	88.913	ug/l #	88
30) Chloroform	7.502	83	53379	23.066	ug/l	99
31) Cyclohexane	7.783	56	42350	21.737	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	47169	21.984	ug/l	98
36) 1,1-Dichloropropene	7.917	75	39570	19.663	ug/l	99
37) Ethyl Acetate	7.075	43	19387	16.166	ug/l #	93
38) Carbon Tetrachloride	7.898	117	41500	19.243	ug/l	99
39) Methylcyclohexane	9.179	83	47337	19.835	ug/l	90
40) Benzene	8.161	78	115231	20.464	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12191m	19.331	ug/l	
42) 1,2-Dichloroethane	8.234	62	35715	21.608	ug/l	92
43) Isopropyl Acetate	8.270	43	39097	19.584	ug/l #	91
44) Trichloroethene	8.935	130	30819	20.121	ug/l	98
45) 1,2-Dichloropropane	9.215	63	30436	22.744	ug/l	93
46) Dibromomethane	9.301	93	18007	20.478	ug/l	94
47) Bromodichloromethane	9.496	83	42914	22.014	ug/l	96
48) Methyl methacrylate	9.295	41	16889	19.267	ug/l #	84
49) 1,4-Dioxane	9.295	88	4535	343.348	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	105760	89.739	ug/l	94
52) Toluene	10.240	92	80595	21.064	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	42063	20.773	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	46719	21.396	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	25147	21.030	ug/l	97
56) Ethyl methacrylate	10.508	69	30455	20.992	ug/l	87
57) 1,3-Dichloropropane	10.788	76	41789	21.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	74303	100.436	ug/l	96
59) 2-Hexanone	10.831	43	72116	85.641	ug/l	90
60) Dibromochloromethane	10.983	129	30704	21.389	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24111	20.219	ug/l	100
64) Tetrachloroethene	10.721	164	26068	19.305	ug/l	95
65) Chlorobenzene	11.514	112	86153	20.179	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	31383	20.120	ug/l	96
67) Ethyl Benzene	11.593	91	151048	19.811	ug/l	100
68) m/p-Xylenes	11.703	106	119264	39.265	ug/l	92
69) o-Xylene	12.032	106	55931	19.929	ug/l	94
70) Styrene	12.044	104	96769	20.368	ug/l	94
71) Bromoform	12.203	173	18567	17.535	ug/l #	98
73) Isopropylbenzene	12.331	105	150534	19.139	ug/l	100
74) N-amyl acetate	12.142	43	37169	19.798	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	32165	18.395	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	22573m	17.039	ug/l	
77) Bromobenzene	12.605	156	35534	19.497	ug/l	95
78) n-propylbenzene	12.672	91	187084	19.361	ug/l	100
79) 2-Chlorotoluene	12.757	91	102930	19.667	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	128742	20.273	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	9648	15.930	ug/l	92
82) 4-Chlorotoluene	12.855	91	110370	19.962	ug/l	96
83) tert-Butylbenzene	13.074	119	114390	20.029	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	130706	20.790	ug/l	98
85) sec-Butylbenzene	13.251	105	178415	20.023	ug/l	100
86) p-Isopropyltoluene	13.367	119	145913	20.083	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	76578	19.997	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	76701	20.250	ug/l	99
89) n-Butylbenzene	13.696	91	137390	19.922	ug/l	99
90) Hexachloroethane	13.964	117	28143	20.487	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	67594	20.185	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4936	16.509	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	36785	20.115	ug/l	99
94) Hexachlorobutadiene	15.111	225	21492	20.424	ug/l	98
95) Naphthalene	15.239	128	74877	18.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	32340	20.131	ug/l	98

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

