

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062322\
 Data File : VY009291.D
 Acq On : 23 Jun 2022 13:37
 Operator : KP/MD
 Sample : N3214-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jun 24 10:11:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 10:11:30 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/28/2022
 Supervised By :Mahesh Dadoda 06/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	155113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	249963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	225946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	11744	6.894	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.780%#		
35) Dibromofluoromethane	7.716	113	10487	6.478	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	12.960%#		
50) Toluene-d8	10.173	98	41126	6.613	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	13.220%#		
62) 4-Bromofluorobenzene	12.477	95	15390	7.043	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	14.080%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6334	5.573	ug/l	84
3) Chloromethane	2.107	50	7218	5.175	ug/l	92
4) Vinyl Chloride	2.247	62	8465	5.464	ug/l	98
5) Bromomethane	2.644	94	4914	4.549	ug/l	85
6) Chloroethane	2.790	64	4265	4.135	ug/l	99
7) Trichlorofluoromethane	3.125	101	12547	5.102	ug/l	99
8) Diethyl Ether	3.528	74	4722	5.229	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.900	101	8545	5.465	ug/l	96
10) Methyl Iodide	4.089	142	7934	4.155	ug/l #	84
11) Tert butyl alcohol	4.912	59	23536m	73.810	ug/l	
12) 1,1-Dichloroethene	3.869	96	7327	4.931	ug/l	83
13) Acrolein	3.723	56	975	13.780	ug/l #	79
14) Allyl chloride	4.473	41	13308	4.986	ug/l	92
15) Acrylonitrile	5.162	53	14210	28.217	ug/l	95
16) Acetone	3.942	43	14257	33.872	ug/l	94
17) Carbon Disulfide	4.192	76	18792	4.552	ug/l	98
18) Methyl Acetate	4.479	43	13487	9.338	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	23338	5.225	ug/l	100
20) Methylene Chloride	4.710	84	15739	5.649	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	9097	5.166	ug/l #	79
22) Diisopropyl ether	6.113	45	30710	5.473	ug/l	97
23) Vinyl Acetate	6.058	43	75361	21.875	ug/l	96
24) 1,1-Dichloroethane	6.015	63	17529	5.519	ug/l	98
25) 2-Butanone	6.984	43	21456	31.566	ug/l	93
26) 2,2-Dichloropropane	6.978	77	18050	6.045	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	10853	5.257	ug/l	98
28) Bromochloromethane	7.332	49	8197	5.981	ug/l	95
29) Tetrahydrofuran	7.344	42	12478	28.988	ug/l	93
30) Chloroform	7.509	83	17696	5.412	ug/l	92
31) Cyclohexane	7.783	56	17065	5.771	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	15269	5.349	ug/l	96
36) 1,1-Dichloropropene	7.917	75	12786	5.190	ug/l	96
37) Ethyl Acetate	7.070	43	8950	6.008	ug/l #	81
38) Carbon Tetrachloride	7.893	117	13149	5.133	ug/l	95
39) Methylcyclohexane	9.179	83	15260	5.048	ug/l	94
40) Benzene	8.155	78	37927	5.204	ug/l	98

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41) Methacrylonitrile	7.314	41	4869m	5.895	ug/l	
42) 1,2-Dichloroethane	8.234	62	11728	5.608	ug/l	89
43) Isopropyl Acetate	8.277	43	15324	5.613	ug/l #	91
44) Trichloroethene	8.935	130	10517	5.124	ug/l	92
45) 1,2-Dichloropropane	9.210	63	9859	5.251	ug/l	98
46) Dibromomethane	9.301	93	5835	5.465	ug/l	99
47) Bromodichloromethane	9.496	83	13788	5.438	ug/l	98
48) Methyl methacrylate	9.295	41	6227	5.204	ug/l #	90
49) 1,4-Dioxane	9.295	88	1581	103.042	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	40875	28.786	ug/l	96
52) Toluene	10.240	92	25389	5.511	ug/l	86
53) t-1,3-Dichloropropene	10.465	75	13585	5.153	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	15124	5.040	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	8090	5.398	ug/l	93
56) Ethyl methacrylate	10.508	69	10076	5.082	ug/l	89
57) 1,3-Dichloropropane	10.789	76	13766	5.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	27111	31.877	ug/l	96
59) 2-Hexanone	10.831	43	26918	28.011	ug/l	93
60) Dibromochloromethane	10.984	129	9481	5.187	ug/l	98
61) 1,2-Dibromoethane	11.087	107	7636	5.226	ug/l	99
64) Tetrachloroethene	10.721	164	12221	5.606	ug/l	97
65) Chlorobenzene	11.514	112	26528	5.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	9678	5.200	ug/l	99
67) Ethyl Benzene	11.593	91	47297	5.362	ug/l	99
68) m/p-Xylenes	11.697	106	36360	10.504	ug/l	94
69) o-Xylene	12.026	106	17287	5.252	ug/l	90
70) Styrene	12.044	104	27680	5.071	ug/l	96
71) Bromoform	12.203	173	5802	5.044	ug/l #	93
73) Isopropylbenzene	12.325	105	44441	4.987	ug/l	97
74) N-amyl acetate	12.142	43	11726	4.927	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	8818	5.201	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	6925m	5.200	ug/l	
77) Bromobenzene	12.605	156	10832	5.005	ug/l	97
78) n-propylbenzene	12.672	91	56190	5.234	ug/l	99
79) 2-Chlorotoluene	12.752	91	31425	5.196	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	36933	4.993	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	3299	5.253	ug/l #	83
82) 4-Chlorotoluene	12.855	91	33273	5.275	ug/l	98
83) tert-Butylbenzene	13.075	119	32420	5.025	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	36964	5.099	ug/l	95
85) sec-Butylbenzene	13.252	105	49246	5.099	ug/l	98
86) p-Isopropyltoluene	13.367	119	40946	5.101	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	22129	5.289	ug/l	99
88) 1,4-Dichlorobenzene	13.441	146	22414	5.340	ug/l	96
89) n-Butylbenzene	13.697	91	38059	5.092	ug/l	99
90) Hexachloroethane	13.959	117	7887	5.180	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	19563	5.205	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1422	4.709	ug/l	72
93) 1,2,4-Trichlorobenzene	15.007	180	10717	4.660	ug/l	96
94) Hexachlorobutadiene	15.111	225	6484	5.241	ug/l	96
95) Naphthalene	15.233	128	20421	4.427	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	9434	4.800	ug/l	97

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

