

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062522\
 Data File : VY009320.D
 Acq On : 25 Jun 2022 13:46
 Operator : KP/MD
 Sample : N3214-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 28 00:23:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 00:23:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
 Supervised By :Mahesh Dadoda 06/30/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	176487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	290652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	262329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65862	42.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.580%		
35) Dibromofluoromethane	7.710	113	71799	45.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.540%		
50) Toluene-d8	10.173	98	222742	39.913	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.820%		
62) 4-Bromofluorobenzene	12.477	95	105929	47.410	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8648	5.936	ug/l	93
3) Chloromethane	2.107	50	10454	6.108	ug/l	93
4) Vinyl Chloride	2.241	62	10936	5.940	ug/l	99
5) Bromomethane	2.638	94	7043	5.935	ug/l #	79
6) Chloroethane	2.784	64	5472	5.871	ug/l	94
7) Trichlorofluoromethane	3.119	101	13297	5.676	ug/l	95
8) Diethyl Ether	3.522	74	5587	6.141	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.881	101	9565	5.711	ug/l	99
10) Methyl Iodide	4.082	142	10140	4.560	ug/l	97
11) Tert butyl alcohol	4.924	59	23716	64.686	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	9151	5.559	ug/l	95
13) Acrolein	3.717	56	4204	25.731	ug/l	96
14) Allyl chloride	4.460	41	16120	5.578	ug/l	97
15) Acrylonitrile	5.155	53	14426	28.790	ug/l	99
16) Acetone	3.936	43	13570	30.075	ug/l	95
17) Carbon Disulfide	4.186	76	28572	5.331	ug/l	96
18) Methyl Acetate	4.473	43	9421	7.500	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	23959	5.181	ug/l	100
20) Methylene Chloride	4.698	84	13989	6.091	ug/l #	92
21) trans-1,2-Dichloroethene	5.210	96	10383	5.346	ug/l	86
22) Diisopropyl ether	6.106	45	31219	5.453	ug/l #	92
23) Vinyl Acetate	6.052	43	90979	24.695	ug/l	98
24) 1,1-Dichloroethane	6.009	63	18130	5.490	ug/l	98
25) 2-Butanone	6.984	43	21157	31.181	ug/l	91
26) 2,2-Dichloropropane	6.978	77	18803	6.139	ug/l	92
27) cis-1,2-Dichloroethene	6.972	96	11283	5.300	ug/l	90
28) Bromochloromethane	7.320	49	7465	5.284	ug/l	92
29) Tetrahydrofuran	7.338	42	12727	29.226	ug/l	98
30) Chloroform	7.496	83	17875	5.365	ug/l	99
31) Cyclohexane	7.783	56	19904	6.237	ug/l #	67
32) 1,1,1-Trichloroethane	7.692	97	16109	5.476	ug/l	97
36) 1,1-Dichloropropene	7.911	75	14527	5.518	ug/l	96
37) Ethyl Acetate	7.070	43	8297	5.549	ug/l #	94
38) Carbon Tetrachloride	7.893	117	14415	5.324	ug/l	96
39) Methylcyclohexane	9.179	83	17513	5.338	ug/l	98
40) Benzene	8.155	78	42014	5.422	ug/l	99

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41) Methacrylonitrile	7.307	41	4498m	5.587	ug/l	
42) 1,2-Dichloroethane	8.228	62	11874	5.443	ug/l	97
43) Isopropyl Acetate	8.265	43	15319	5.545	ug/l #	92
44) Trichloroethene	8.935	130	11791	5.442	ug/l	90
45) 1,2-Dichloropropane	9.210	63	10185	5.356	ug/l	98
46) Dibromomethane	9.295	93	6172	5.597	ug/l	96
47) Bromodichloromethane	9.490	83	13481	5.257	ug/l	96
48) Methyl methacrylate	9.289	41	6396	5.210	ug/l	98
49) 1,4-Dioxane	9.295	88	1716	114.456	ug/l #	93
51) 4-Methyl-2-Pentanone	10.063	43	39945	28.619	ug/l	97
52) Toluene	10.240	92	26198	5.458	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	14214	5.237	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	15920	5.149	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	8030	5.290	ug/l	90
56) Ethyl methacrylate	10.508	69	9982	4.974	ug/l	89
57) 1,3-Dichloropropane	10.789	76	13690	5.309	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.777	63	26321	25.364	ug/l	99
59) 2-Hexanone	10.831	43	26579	27.377	ug/l	95
60) Dibromochloromethane	10.978	129	9557	5.197	ug/l	96
61) 1,2-Dibromoethane	11.087	107	7932	5.331	ug/l	100
64) Tetrachloroethene	10.715	164	13309	5.833	ug/l	98
65) Chlorobenzene	11.514	112	28594	5.493	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	10037	5.381	ug/l	97
67) Ethyl Benzene	11.587	91	49602	5.397	ug/l	97
68) m/p-Xylenes	11.697	106	38126	10.559	ug/l	99
69) o-Xylene	12.026	106	17655	5.211	ug/l	98
70) Styrene	12.038	104	28480	5.063	ug/l	99
71) Bromoform	12.209	173	5953	5.171	ug/l #	95
73) Isopropylbenzene	12.325	105	46114	5.217	ug/l	100
74) N-amyl acetate	12.142	43	12506	5.267	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	9368	5.623	ug/l	96
76) 1,2,3-Trichloropropane	12.624	75	7092m	5.701	ug/l	
77) Bromobenzene	12.605	156	11382	5.261	ug/l	93
78) n-propylbenzene	12.666	91	58784	5.393	ug/l	99
79) 2-Chlorotoluene	12.752	91	32291	5.332	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	38770	5.207	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	3367	5.358	ug/l	96
82) 4-Chlorotoluene	12.849	91	34991	5.545	ug/l	98
83) tert-Butylbenzene	13.075	119	33468	5.141	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	36849	5.020	ug/l	99
85) sec-Butylbenzene	13.252	105	51036	5.285	ug/l	98
86) p-Isopropyltoluene	13.367	119	40694	5.094	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	23389	5.612	ug/l	98
88) 1,4-Dichlorobenzene	13.441	146	23264	5.532	ug/l	91
89) n-Butylbenzene	13.697	91	39590	5.284	ug/l	99
90) Hexachloroethane	13.959	117	8317	5.501	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	20132	5.382	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1498	5.204	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	11392	5.062	ug/l	97
94) Hexachlorobutadiene	15.111	225	6760	5.437	ug/l	99
95) Naphthalene	15.233	128	21637	4.802	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	10072	5.166	ug/l	97

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

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