

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008115.D
 Acq On : 30 Mar 2022 17:14
 Operator : SY/MD
 Sample : N1645-02 5.0ppb
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 31 06:58:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 06:28:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/31/2022
 Supervised By :Semsettin Yesilyurt 03/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	142457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	220914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5999	4.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.400%	#	
35) Dibromofluoromethane	7.722	113	6084	3.942	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	7.880%	#	
50) Toluene-d8	10.179	98	23085	3.971	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	7.940%	#	
62) 4-Bromofluorobenzene	12.483	95	9095	4.434	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.860%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	4073	3.172	ug/l	96
3) Chloromethane	2.113	50	5926	3.790	ug/l	95
4) Vinyl Chloride	2.253	62	7061	3.394	ug/l	98
5) Bromomethane	2.650	94	7083	4.154	ug/l	96
6) Chloroethane	2.796	64	5063	3.699	ug/l	97
7) Trichlorofluoromethane	3.131	101	9580	3.640	ug/l	94
8) Diethyl Ether	3.527	74	3229	3.788	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	6231	3.816	ug/l	89
10) Methyl Iodide	4.094	142	4816	2.855	ug/l	90
11) Tert butyl alcohol	4.954	59	3087	20.817	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	5549	3.671	ug/l	87
13) Acrolein	3.729	56	2217	18.368	ug/l	94
14) Allyl chloride	4.478	41	7277	3.659	ug/l #	90
15) Acrylonitrile	5.161	53	8177	20.141	ug/l	96
16) Acetone	3.948	43	5806	17.772	ug/l #	88
17) Carbon Disulfide	4.192	76	14536	3.394	ug/l	96
18) Methyl Acetate	4.485	43	6470	5.887	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	16813	3.914	ug/l	99
20) Methylene Chloride	4.722	84	8897	4.639	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	6546	3.740	ug/l	86
22) Diisopropyl ether	6.124	45	16670	3.896	ug/l #	85
23) Vinyl Acetate	6.064	43	44020	16.605	ug/l #	82
24) 1,1-Dichloroethane	6.015	63	10874	3.839	ug/l	96
25) 2-Butanone	6.990	43	10073	20.262	ug/l #	74
26) 2,2-Dichloropropane	6.984	77	9926	3.700	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	7959	3.923	ug/l	82
28) Bromochloromethane	7.332	49	4321	4.704	ug/l #	68
29) Tetrahydrofuran	7.344	42	6956	21.521	ug/l #	74
30) Chloroform	7.508	83	12222	3.985	ug/l	100
31) Cyclohexane	7.789	56	12041	4.507	ug/l #	49
32) 1,1,1-Trichloroethane	7.703	97	10755	3.795	ug/l	94
36) 1,1-Dichloropropene	7.917	75	8669	3.576	ug/l	92
37) Ethyl Acetate	7.076	43	4601	4.063	ug/l #	88
38) Carbon Tetrachloride	7.899	117	9223	3.491	ug/l	94
39) Methylcyclohexane	9.179	83	11789	3.603	ug/l	88
40) Benzene	8.161	78	25365	3.658	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	2808m	4.938	ug/l	
42) 1,2-Dichloroethane	8.240	62	7413	3.811	ug/l	90
43) Isopropyl Acetate	8.277	43	8698	3.913	ug/l #	88
44) Trichloroethene	8.935	130	7279	3.630	ug/l	86
45) 1,2-Dichloropropane	9.215	63	6124	3.747	ug/l	93
46) Dibromomethane	9.307	93	4054	3.773	ug/l	92
47) Bromodichloromethane	9.496	83	8833	3.595	ug/l	90
48) Methyl methacrylate	9.295	41	3739	3.797	ug/l #	79
49) 1,4-Dioxane	9.301	88	1091	76.376	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	21149	18.862	ug/l #	80
52) Toluene	10.246	92	16743	3.682	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	8891	3.530	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	10294	3.610	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	5612	3.782	ug/l	96
56) Ethyl methacrylate	10.508	69	7007	3.620	ug/l #	80
57) 1,3-Dichloropropane	10.794	76	8904	3.667	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.782	63	17267	21.532	ug/l	90
59) 2-Hexanone	10.837	43	15238	19.422	ug/l	83
60) Dibromochloromethane	10.983	129	6270	3.475	ug/l	94
61) 1,2-Dibromoethane	11.087	107	5557	3.760	ug/l	99
64) Tetrachloroethene	10.721	164	6436	3.793	ug/l	95
65) Chlorobenzene	11.514	112	18683	3.751	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	6542	3.561	ug/l	97
67) Ethyl Benzene	11.593	91	33021	3.782	ug/l	97
68) m/p-Xylenes	11.703	106	25618	7.379	ug/l	92
69) o-Xylene	12.032	106	12490	3.758	ug/l	91
70) Styrene	12.044	104	19535	3.590	ug/l	97
71) Bromoform	12.203	173	3504	3.159	ug/l #	98
73) Isopropylbenzene	12.331	105	32076	3.802	ug/l	97
74) N-amyl acetate	12.148	43	6870	3.704	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.587	83	7094	4.326	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	5866m	4.708	ug/l	
77) Bromobenzene	12.611	156	7620	3.937	ug/l	97
78) n-propylbenzene	12.672	91	39433	3.962	ug/l	98
79) 2-Chlorotoluene	12.757	91	22191	4.020	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	26634	3.853	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	2026	3.628	ug/l #	82
82) 4-Chlorotoluene	12.855	91	22793	4.024	ug/l	100
83) tert-Butylbenzene	13.074	119	22863	3.713	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	25921	3.851	ug/l	97
85) sec-Butylbenzene	13.257	105	35428	3.898	ug/l	100
86) p-Isopropyltoluene	13.373	119	28912	3.822	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	14654	3.819	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	14349	3.749	ug/l	91
89) n-Butylbenzene	13.696	91	27365	3.932	ug/l	98
90) Hexachloroethane	13.958	117	5268	3.594	ug/l	80
91) 1,2-Dichlorobenzene	13.739	146	13049	3.862	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1052	4.019	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	7460	3.687	ug/l	99
94) Hexachlorobutadiene	15.117	225	4149	3.876	ug/l	96
95) Naphthalene	15.239	128	22409	5.010	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	6805	3.887	ug/l	96

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

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