

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011025.D
 Acq On : 20 Oct 2022 15:13
 Operator : KP/MD
 Sample : N4955-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Oct 20 22:23:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	250390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	414972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	370311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113367	49.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.300%		
35) Dibromofluoromethane	7.716	113	116124	50.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.420%		
50) Toluene-d8	10.179	98	405911	46.847	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.700%		
62) 4-Bromofluorobenzene	12.477	95	147359	47.881	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8062	4.854	ug/l	96
3) Chloromethane	2.113	50	11481	4.818	ug/l	98
4) Vinyl Chloride	2.247	62	13081	4.844	ug/l	98
5) Bromomethane	2.650	94	10022	5.365	ug/l	99
6) Chloroethane	2.796	64	8752	4.849	ug/l	100
7) Trichlorofluoromethane	3.125	101	18902	4.782	ug/l	100
8) Diethyl Ether	3.522	74	7046	4.777	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.906	101	11812	4.764	ug/l	91
10) Methyl Iodide	4.089	142	13027	4.294	ug/l	90
11) Tert butyl alcohol	4.942	59	8643	12.689	ug/l	98
12) 1,1-Dichloroethene	3.869	96	11095	4.671	ug/l #	76
13) Acrolein	3.729	56	6765	18.194	ug/l	100
14) Allyl chloride	4.485	41	17059	4.529	ug/l #	87
15) Acrylonitrile	5.155	53	16933	22.022	ug/l	99
16) Acetone	3.948	43	16755	25.015	ug/l #	77
17) Carbon Disulfide	4.192	76	32616	4.684	ug/l	98
18) Methyl Acetate	4.479	43	14165	4.980	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	28946	4.362	ug/l	100
20) Methylene Chloride	4.716	84	36244	6.982	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	12854	4.794	ug/l #	81
22) Diisopropyl ether	6.119	45	35085	4.349	ug/l #	95
23) Vinyl Acetate	6.058	43	86759	17.985	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	22592	4.638	ug/l	98
25) 2-Butanone	6.978	43	25922	25.520	ug/l	93
26) 2,2-Dichloropropane	6.978	77	25423	5.878	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	14245	4.609	ug/l	96
28) Bromochloromethane	7.332	49	7242	7.421	ug/l	87
29) Tetrahydrofuran	7.344	42	13501	21.604	ug/l #	86
30) Chloroform	7.509	83	23771	4.842	ug/l	100
31) Cyclohexane	7.783	56	23120	5.238	ug/l #	67
32) 1,1,1-Trichloroethane	7.704	97	20182	4.676	ug/l	96
36) 1,1-Dichloropropene	7.917	75	18042	4.670	ug/l	99
37) Ethyl Acetate	7.076	43	9605	4.491	ug/l #	93
38) Carbon Tetrachloride	7.905	117	18586	4.661	ug/l	96
39) Methylcyclohexane	9.185	83	20078	4.339	ug/l	92
40) Benzene	8.161	78	52345	4.618	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	4688m	4.045	ug/l	
42) 1,2-Dichloroethane	8.240	62	14781	4.706	ug/l	92
43) Isopropyl Acetate	8.271	43	16219	4.244	ug/l #	86
44) Trichloroethene	8.941	130	14427	4.697	ug/l	96
45) 1,2-Dichloropropane	9.216	63	13125	4.564	ug/l	99
46) Dibromomethane	9.307	93	7614	4.747	ug/l	94
47) Bromodichloromethane	9.496	83	17676	4.573	ug/l	94
48) Methyl methacrylate	9.289	41	6942	4.059	ug/l #	83
49) 1,4-Dioxane	9.295	88	2080	90.255	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	44199	20.740	ug/l	90
52) Toluene	10.240	92	32774	4.654	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	17281	4.304	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	20250	4.407	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	10511	4.542	ug/l	96
56) Ethyl methacrylate	10.508	69	12109	3.940	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	18319	4.604	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	30492	35.653	ug/l	96
59) 2-Hexanone	10.831	43	28545	19.500	ug/l	87
60) Dibromochloromethane	10.984	129	12150	4.416	ug/l	99
61) 1,2-Dibromoethane	11.087	107	9964	4.497	ug/l	96
64) Tetrachloroethene	10.721	164	14116	4.897	ug/l	98
65) Chlorobenzene	11.514	112	34342	4.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	13124	4.664	ug/l	94
67) Ethyl Benzene	11.593	91	59095	4.394	ug/l	99
68) m/p-Xylenes	11.697	106	44620	8.624	ug/l	94
69) o-Xylene	12.026	106	21012	4.277	ug/l	93
70) Styrene	12.044	104	34018	4.086	ug/l	96
71) Bromoform	12.203	173	7871	4.532	ug/l #	95
73) Isopropylbenzene	12.331	105	54663	4.285	ug/l	99
74) N-amyl acetate	12.142	43	12221	3.775	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	12509	4.672	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	9069m	4.549	ug/l	
77) Bromobenzene	12.611	156	13344	4.475	ug/l	98
78) n-propylbenzene	12.672	91	68079	4.386	ug/l	98
79) 2-Chlorotoluene	12.752	91	38781	4.436	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	46319	4.351	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	4039	4.357	ug/l	86
82) 4-Chlorotoluene	12.855	91	41362	4.544	ug/l	97
83) tert-Butylbenzene	13.075	119	39518	4.293	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	44218	4.213	ug/l	98
85) sec-Butylbenzene	13.252	105	59488	4.301	ug/l	99
86) p-Isopropyltoluene	13.367	119	47262	4.119	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	26541	4.459	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	26622	4.499	ug/l	94
89) n-Butylbenzene	13.697	91	44624	4.162	ug/l	98
90) Hexachloroethane	13.959	117	10160	4.486	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	23314	4.378	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2033	4.592	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	12728	3.999	ug/l	99
94) Hexachlorobutadiene	15.111	225	8551	4.565	ug/l	98
95) Naphthalene	15.239	128	23875	3.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	10959	3.947	ug/l	99

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

