

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015281.D
 Acq On : 23 Aug 2023 06:04
 Operator : SY/MD
 Sample : 04109-03MSD
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-01(6-7)MSD

Quant Time: Aug 23 06:26:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/23/2023
 Supervised By :Mahesh Dadoda 08/23/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	81600	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	141077	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	115551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	45791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	61544	62.830	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.660%			
35) Dibromofluoromethane	7.728	113	52320	57.647	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.300%			
50) Toluene-d8	10.185	98	185997	55.052	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.100%			
62) 4-Bromofluorobenzene	12.483	95	59552	48.258	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18827	54.311	ug/l	99
3) Chloromethane	2.119	50	25407	52.312	ug/l	97
4) Vinyl Chloride	2.253	62	32433	49.949	ug/l	97
5) Bromomethane	2.644	94	27808	63.491	ug/l	97
6) Chloroethane	2.796	64	26922	57.108	ug/l	96
7) Trichlorofluoromethane	3.131	101	59825	54.679	ug/l	96
8) Diethyl Ether	3.534	74	25104	58.505	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.912	101	36961	54.356	ug/l	96
10) Methyl Iodide	4.095	142	30640	45.889	ug/l	100
11) Tert butyl alcohol	4.972	59	55564	351.095	ug/l #	79
12) 1,1-Dichloroethene	3.875	96	30526	53.761	ug/l	93
13) Acrolein	3.741	56	5699	43.395	ug/l	99
14) Allyl chloride	4.491	41	42831	42.546	ug/l	95
15) Acrylonitrile	5.168	53	117616	404.471	ug/l	98
16) Acetone	3.954	43	116293	363.419	ug/l	94
17) Carbon Disulfide	4.204	76	48303	48.338	ug/l	98
18) Methyl Acetate	4.485	43	157590	134.387	ug/l	93
19) Methyl tert-butyl Ether	5.235	73	146195	60.554	ug/l	98
20) Methylene Chloride	4.729	84	51963	69.404	ug/l	90
21) trans-1,2-Dichloroethene	5.229	96	32148	50.194	ug/l	95
22) Diisopropyl ether	6.137	45	142921	56.896	ug/l #	88
23) Vinyl Acetate	6.076	43	89390	59.638	ug/l	96
24) 1,1-Dichloroethane	6.027	63	76258	56.073	ug/l	99
25) 2-Butanone	6.996	43	183612	405.250	ug/l	99
26) 2,2-Dichloropropane	6.990	77	53847	41.073	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	47175	53.921	ug/l	93
28) Bromochloromethane	7.344	49	34809	55.711	ug/l	96
29) Tetrahydrofuran	7.356	42	108825	401.690	ug/l	95
30) Chloroform	7.515	83	86208	56.547	ug/l	96
31) Cyclohexane	7.795	56	47893	54.994	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	72869	56.169	ug/l	99
36) 1,1-Dichloropropene	7.929	75	50305	50.100	ug/l	98
37) Ethyl Acetate	7.082	43	48808	52.149	ug/l	97
38) Carbon Tetrachloride	7.911	117	61019	51.348	ug/l	99
39) Methylcyclohexane	9.191	83	49614	44.077	ug/l	96
40) Benzene	8.167	78	162045	53.379	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	29417m	60.953	ug/l	
42) 1,2-Dichloroethane	8.240	62	61930	56.172	ug/l	95
43) Isopropyl Acetate	8.283	43	101053m	59.290	ug/l	
44) Trichloroethene	8.947	130	45548	52.080	ug/l	98
45) 1,2-Dichloropropane	9.222	63	46055	53.801	ug/l	97
46) Dibromomethane	9.313	93	30907	57.246	ug/l	96
47) Bromodichloromethane	9.502	83	71085	55.175	ug/l	98
48) Methyl methacrylate	9.301	41	49785	68.283	ug/l	90
49) 1,4-Dioxane	9.307	88	17170	1590.377	ug/l #	49
51) 4-Methyl-2-Pentanone	10.075	43	362393	366.870	ug/l	96
52) Toluene	10.246	92	101598	50.777	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	61258	45.243	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	65783	46.133	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	50107	61.037	ug/l	98
56) Ethyl methacrylate	10.514	69	59438	49.473	ug/l	93
57) 1,3-Dichloropropane	10.795	76	77564	57.831	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	161797	289.381	ug/l	95
59) 2-Hexanone	10.837	43	265180	362.726	ug/l	94
60) Dibromochloromethane	10.990	129	53855	54.996	ug/l	98
61) 1,2-Dibromoethane	11.093	107	45372	58.180	ug/l	99
64) Tetrachloroethene	10.728	164	57323	71.205	ug/l	97
65) Chlorobenzene	11.520	112	112559	53.463	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	49193	57.586	ug/l	100
67) Ethyl Benzene	11.599	91	196404	53.244	ug/l	99
68) m/p-Xylenes	11.709	106	147581	105.339	ug/l	95
69) o-Xylene	12.032	106	75274	53.934	ug/l	99
70) Styrene	12.050	104	123173	50.991	ug/l	98
71) Bromoform	12.215	173	38258	61.780	ug/l #	99
73) Isopropylbenzene	12.331	105	196671	66.792	ug/l	99
74) N-amyl acetate	12.148	43	44613	41.964	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	66083	86.171	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	37195m	66.858	ug/l	
77) Bromobenzene	12.611	156	47576	66.287	ug/l	92
78) n-propylbenzene	12.672	91	213684	61.112	ug/l	100
79) 2-Chlorotoluene	12.758	91	127684	63.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	151937	61.902	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	15247	60.198	ug/l	99
82) 4-Chlorotoluene	12.855	91	123014	59.030	ug/l	98
83) tert-Butylbenzene	13.075	119	138796	61.824	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	150736	61.459	ug/l	97
85) sec-Butylbenzene	13.258	105	184091	55.965	ug/l	100
86) p-Isopropyltoluene	13.373	119	147337	54.024	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	79484	55.834	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	80027	56.047	ug/l	99
89) n-Butylbenzene	13.697	91	112122	43.603	ug/l	98
90) Hexachloroethane	13.965	117	30097	55.628	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	81527	61.303	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14159	95.309	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	29844	34.955	ug/l	95
94) Hexachlorobutadiene	15.111	225	11445	24.644	ug/l	98
95) Naphthalene	15.239	128	133717	62.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	29430	38.168	ug/l	96

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

