

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015278.D
 Acq On : 23 Aug 2023 04:56
 Operator : SY/MD
 Sample : 04110-04MS
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-04(1-2)MS

Quant Time: Aug 23 06:23:55 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	37147	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	65498	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	59184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31581	70.823	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.640%			
35) Dibromofluoromethane	7.722	113	25793	61.212	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.420%			
50) Toluene-d8	10.185	98	83348	53.136	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.280%			
62) 4-Bromofluorobenzene	12.483	95	27363	47.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	7409	46.192	ug/l	98
3) Chloromethane	2.113	50	11705	52.990	ug/l	95
4) Vinyl Chloride	2.253	62	13994	47.342	ug/l	98
5) Bromomethane	2.656	94	11793	58.311	ug/l	100
6) Chloroethane	2.796	64	11904	55.469	ug/l	94
7) Trichlorofluoromethane	3.131	101	24421	49.031	ug/l	97
8) Diethyl Ether	3.546	74	13545	69.342	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	14795	47.795	ug/l	94
10) Methyl Iodide	4.100	142	7680	25.267	ug/l	99
11) Tert butyl alcohol	4.978	59	25651	356.287	ug/l #	80
12) 1,1-Dichloroethene	3.881	96	12543	48.525	ug/l	87
14) Allyl chloride	4.491	41	20622	44.998	ug/l	98
15) Acrylonitrile	5.180	53	41392	312.683	ug/l	98
16) Acetone	3.960	43	49701	341.181	ug/l	98
17) Carbon Disulfide	4.204	76	17515	38.503	ug/l	97
18) Methyl Acetate	4.491	43	66941	125.397	ug/l	93
19) Methyl tert-butyl Ether	5.234	73	73040	66.456	ug/l	97
20) Methylene Chloride	4.728	84	42735	129.197	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	13505	46.319	ug/l	94
22) Diisopropyl ether	6.137	45	67430	58.966	ug/l #	86
24) 1,1-Dichloroethane	6.033	63	35003	56.538	ug/l	97
25) 2-Butanone	6.996	43	71352	345.935	ug/l	99
26) 2,2-Dichloropropane	6.996	77	23109	38.720	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	21049	52.849	ug/l	94
28) Bromochloromethane	7.338	49	18149	63.807	ug/l	94
29) Tetrahydrofuran	7.356	42	52468	425.425	ug/l	94
30) Chloroform	7.515	83	40618	58.525	ug/l	96
31) Cyclohexane	7.789	56	18198	45.457	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	30673	51.937	ug/l	100
36) 1,1-Dichloropropene	7.923	75	19800	42.474	ug/l	100
37) Ethyl Acetate	7.088	43	10934m	25.163	ug/l	
38) Carbon Tetrachloride	7.905	117	24283	44.014	ug/l	91
39) Methylcyclohexane	9.191	83	18562	35.519	ug/l	94
40) Benzene	8.167	78	72408	51.375	ug/l	97
41) Methacrylonitrile	7.325	41	11501m	51.329	ug/l	
42) 1,2-Dichloroethane	8.246	62	31027	60.616	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.283	43	22816	28.834	ug/l	# 90
44) Trichloroethene	8.947	130	18029	44.402	ug/l	95
45) 1,2-Dichloropropane	9.222	63	22375	56.299	ug/l	98
46) Dibromomethane	9.313	93	15843	63.205	ug/l	96
47) Bromodichloromethane	9.502	83	32931	55.055	ug/l	96
48) Methyl methacrylate	9.301	41	22851	67.506	ug/l	95
49) 1,4-Dioxane	9.301	88	7716	1539.396	ug/l	# 62
51) 4-Methyl-2-Pentanone	10.075	43	167325	364.856	ug/l	94
52) Toluene	10.246	92	44995	48.436	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	25583	40.698	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	27182	41.059	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	24750	64.938	ug/l	97
56) Ethyl methacrylate	10.514	69	10023	17.969	ug/l	91
57) 1,3-Dichloropropane	10.794	76	38216	61.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	73983	285.010	ug/l	94
59) 2-Hexanone	10.837	43	101977	300.448	ug/l	93
60) Dibromochloromethane	10.989	129	25653	56.425	ug/l	99
61) 1,2-Dibromoethane	11.093	107	20350	56.205	ug/l	98
64) Tetrachloroethene	10.721	164	20071	48.677	ug/l	96
65) Chlorobenzene	11.520	112	48251	44.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	23116	52.832	ug/l	99
67) Ethyl Benzene	11.593	91	81295	43.028	ug/l	98
68) m/p-Xylenes	11.703	106	60666	84.542	ug/l	95
69) o-Xylene	12.032	106	32462	45.411	ug/l	95
70) Styrene	12.044	104	50839	41.091	ug/l	98
71) Bromoform	12.209	173	17216	54.278	ug/l	# 100
73) Isopropylbenzene	12.331	105	79901	47.341	ug/l	100
74) N-amyl acetate	12.148	43	2597	4.262	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	33241	75.621	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17793m	55.798	ug/l	
77) Bromobenzene	12.611	156	21274	51.711	ug/l	95
78) n-propylbenzene	12.672	91	88045	43.930	ug/l	100
79) 2-Chlorotoluene	12.757	91	54618	47.240	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	65050	46.237	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	5599	38.566	ug/l	94
82) 4-Chlorotoluene	12.855	91	52726	44.141	ug/l	99
83) tert-Butylbenzene	13.074	119	57696	44.836	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	65524	46.609	ug/l	100
85) sec-Butylbenzene	13.257	105	79902	42.378	ug/l	100
86) p-Isopropyltoluene	13.373	119	60348	38.605	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	35271	43.225	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	35313	43.147	ug/l	98
89) n-Butylbenzene	13.696	91	52316	35.495	ug/l	97
90) Hexachloroethane	13.965	117	12662	40.830	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	36479	47.855	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6029	70.802	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	16432	33.577	ug/l	97
94) Hexachlorobutadiene	15.111	225	8227	30.905	ug/l	96
95) Naphthalene	15.239	128	55227	45.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	16143	36.525	ug/l	99

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