

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015794.D
 Acq On : 02 Oct 2023 22:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023
 Supervised By :Semsettin Yesilyurt 10/03/2023

Quant Time: Oct 03 01:31:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	178694	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	305785	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	282353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89964	45.757	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.520%		
35) Dibromofluoromethane	7.722	113	86805	47.428	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.860%		
50) Toluene-d8	10.185	98	297316	47.911	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.820%		
62) 4-Bromofluorobenzene	12.483	95	111990	45.986	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59869	50.828	ug/l	99
3) Chloromethane	2.113	50	74855	50.374	ug/l	100
4) Vinyl Chloride	2.253	62	90065	53.010	ug/l	94
5) Bromomethane	2.650	94	72577	50.291	ug/l	98
6) Chloroethane	2.796	64	68552	54.436	ug/l	97
7) Trichlorofluoromethane	3.125	101	149612	52.507	ug/l	98
8) Diethyl Ether	3.540	74	66207	54.486	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	96414	54.042	ug/l	95
10) Methyl Iodide	4.101	142	103261	49.263	ug/l	98
11) Tert butyl alcohol	4.972	59	129311	319.510	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	83692	53.236	ug/l	94
13) Acrolein	3.735	56	55836	185.434	ug/l	100
14) Allyl chloride	4.485	41	153088	53.260	ug/l	93
15) Acrylonitrile	5.174	53	233502	261.954	ug/l	98
16) Acetone	3.960	43	211036	200.569	ug/l	91
17) Carbon Disulfide	4.198	76	150377	49.239	ug/l	99
18) Methyl Acetate	4.485	43	212746	60.263	ug/l	94
19) Methyl tert-butyl Ether	5.229	73	360853	56.358	ug/l	100
20) Methylene Chloride	4.723	84	123205	53.839	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	98234	54.668	ug/l	96
22) Diisopropyl ether	6.131	45	387820	56.064	ug/l	91
23) Vinyl Acetate	6.070	43	1038748	243.287	ug/l	95
24) 1,1-Dichloroethane	6.027	63	210080	55.718	ug/l	96
25) 2-Butanone	6.997	43	342247	230.124	ug/l	97
26) 2,2-Dichloropropane	6.990	77	163523	47.451	ug/l	98
27) cis-1,2-Dichloroethene	6.997	96	133114	55.801	ug/l	95
28) Bromochloromethane	7.338	49	46630	45.584	ug/l	99
29) Tetrahydrofuran	7.356	42	218505	259.940	ug/l	94
30) Chloroform	7.515	83	227509	56.345	ug/l	95
31) Cyclohexane	7.789	56	133195	48.903	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	188807	56.643	ug/l	99
36) 1,1-Dichloropropene	7.923	75	142627	52.705	ug/l	99
37) Ethyl Acetate	7.082	43	133488	49.454	ug/l	96
38) Carbon Tetrachloride	7.911	117	161822	55.090	ug/l	99
39) Methylcyclohexane	9.191	83	154291	51.548	ug/l	93
40) Benzene	8.167	78	446801	54.141	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	76378m	52.552	ug/l	
42) 1,2-Dichloroethane	8.246	62	151417	53.574	ug/l	93
43) Isopropyl Acetate	8.283	43	242354	52.562	ug/l	97
44) Trichloroethene	8.947	130	126421	54.848	ug/l	99
45) 1,2-Dichloropropane	9.222	63	127015	55.191	ug/l	97
46) Dibromomethane	9.313	93	80721	54.833	ug/l	95
47) Bromodichloromethane	9.502	83	185058	56.398	ug/l	98
48) Methyl methacrylate	9.295	41	108192	53.458	ug/l	89
49) 1,4-Dioxane	9.307	88	29527	1015.266	ug/l #	58
51) 4-Methyl-2-Pentanone	10.075	43	746410	261.177	ug/l	93
52) Toluene	10.246	92	291575	54.804	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	188137	53.466	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	203336	53.683	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	117166	54.310	ug/l	98
56) Ethyl methacrylate	10.514	69	176823	55.617	ug/l	89
57) 1,3-Dichloropropane	10.795	76	198343	54.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	177398	175.663	ug/l	96
59) 2-Hexanone	10.837	43	545729	248.896	ug/l	90
60) Dibromochloromethane	10.990	129	141919	56.354	ug/l	100
61) 1,2-Dibromoethane	11.093	107	114009	54.019	ug/l	98
64) Tetrachloroethene	10.728	164	146744	60.575	ug/l	97
65) Chlorobenzene	11.520	112	335022	54.358	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	136282	56.926	ug/l	98
67) Ethyl Benzene	11.593	91	589748	54.746	ug/l	100
68) m/p-Xylenes	11.709	106	445139	108.716	ug/l	96
69) o-Xylene	12.032	106	221553	55.182	ug/l	98
70) Styrene	12.044	104	383719	55.834	ug/l	97
71) Bromoform	12.209	173	98022	56.502	ug/l #	98
73) Isopropylbenzene	12.331	105	589460	56.950	ug/l	100
74) N-amyl acetate	12.148	43	208289	53.542	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	157570	54.700	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	111514m	50.662	ug/l	
77) Bromobenzene	12.611	156	144207	56.759	ug/l	95
78) n-propylbenzene	12.672	91	707275	56.248	ug/l	100
79) 2-Chlorotoluene	12.758	91	408877	57.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	492731	56.864	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	50416	51.579	ug/l	94
82) 4-Chlorotoluene	12.855	91	421431	56.322	ug/l	100
83) tert-Butylbenzene	13.075	119	446170	58.790	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	490452	56.569	ug/l	98
85) sec-Butylbenzene	13.258	105	652285	57.432	ug/l	100
86) p-Isopropyltoluene	13.373	119	538205	56.730	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	283249	56.196	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	281908	55.922	ug/l	99
89) n-Butylbenzene	13.697	91	501377	55.810	ug/l	97
90) Hexachloroethane	13.965	117	107025	58.452	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	265191	56.995	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	30227	52.834	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	164421	56.132	ug/l	100
94) Hexachlorobutadiene	15.111	225	83831	55.885	ug/l	98
95) Naphthalene	15.239	128	431303	56.468	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	150274	55.583	ug/l	98

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

