

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015647.D
 Acq On : 20 Sep 2023 09:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

Quant Time: Sep 21 03:36:01 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	156211	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	261121	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	237413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	69968	40.709	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.420%		
35) Dibromofluoromethane	7.722	113	69753	44.631	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.260%		
50) Toluene-d8	10.185	98	225394	42.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.060%		
62) 4-Bromofluorobenzene	12.483	95	87740	42.191	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	53912	52.358	ug/l	98
3) Chloromethane	2.113	50	65640	50.530	ug/l	99
4) Vinyl Chloride	2.253	62	76407	51.444	ug/l	98
5) Bromomethane	2.649	94	57589	45.095	ug/l	96
6) Chloroethane	2.790	64	56362	51.197	ug/l	95
7) Trichlorofluoromethane	3.125	101	125195	50.262	ug/l	98
8) Diethyl Ether	3.533	74	51709	48.680	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	77811	49.892	ug/l	96
10) Methyl Iodide	4.094	142	85040	46.568	ug/l	98
11) Tert butyl alcohol	4.984	59	78742	219.034	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	69506	50.576	ug/l	92
13) Acrolein	3.735	56	60771	230.872	ug/l	100
14) Allyl chloride	4.485	41	124597	49.587	ug/l	93
15) Acrylonitrile	5.173	53	172347	221.175	ug/l	98
16) Acetone	3.960	43	241297	262.336	ug/l	92
17) Carbon Disulfide	4.198	76	139315	52.182	ug/l	99
18) Methyl Acetate	4.485	43	140853	45.641	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	267486	47.789	ug/l	98
20) Methylene Chloride	4.722	84	88048	43.036	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	79721	50.751	ug/l	92
22) Diisopropyl ether	6.124	45	298756	49.405	ug/l	93
23) Vinyl Acetate	6.070	43	880722	235.964	ug/l	96
24) 1,1-Dichloroethane	6.027	63	160309	48.637	ug/l	97
25) 2-Butanone	6.996	43	302103	232.367	ug/l	97
26) 2,2-Dichloropropane	6.990	77	144065	47.822	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	101502	48.673	ug/l	96
28) Bromochloromethane	7.338	49	44234	49.466	ug/l	99
29) Tetrahydrofuran	7.356	42	157732	214.650	ug/l	94
30) Chloroform	7.514	83	170882	48.412	ug/l	97
31) Cyclohexane	7.789	56	114982	48.292	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	145385	49.894	ug/l	99
36) 1,1-Dichloropropene	7.923	75	115859	50.137	ug/l	99
37) Ethyl Acetate	7.082	43	101887	44.203	ug/l	96
38) Carbon Tetrachloride	7.905	117	128104	51.071	ug/l	98
39) Methylcyclohexane	9.185	83	124203	48.594	ug/l	95
40) Benzene	8.167	78	347233	49.273	ug/l	100

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	57199m	46.087	ug/l	
42) 1,2-Dichloroethane	8.240	62	114340	47.375	ug/l	93
43) Isopropyl Acetate	8.277	43	181336	46.055	ug/l	98
44) Trichloroethene	8.941	130	95820	48.682	ug/l	100
45) 1,2-Dichloropropane	9.221	63	95542	48.616	ug/l	98
46) Dibromomethane	9.307	93	59561	47.380	ug/l	96
47) Bromodichloromethane	9.502	83	137725	49.152	ug/l	97
48) Methyl methacrylate	9.295	41	80526	46.594	ug/l	90
49) 1,4-Dioxane	9.313	88	22179	893.052	ug/l #	46
51) 4-Methyl-2-Pentanone	10.075	43	541750	221.988	ug/l	94
52) Toluene	10.246	92	223058	49.097	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	144936	48.235	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	160289	49.557	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	86981	47.215	ug/l	99
56) Ethyl methacrylate	10.514	69	131142	48.305	ug/l	88
57) 1,3-Dichloropropane	10.794	76	147160	47.634	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	195723	226.959	ug/l	97
59) 2-Hexanone	10.837	43	438857	234.390	ug/l	92
60) Dibromochloromethane	10.989	129	103555	48.153	ug/l	99
61) 1,2-Dibromoethane	11.093	107	84851	47.080	ug/l	99
64) Tetrachloroethene	10.721	164	97983	48.103	ug/l	97
65) Chlorobenzene	11.520	112	253486	48.914	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	98673	49.018	ug/l	98
67) Ethyl Benzene	11.593	91	446899	49.338	ug/l	100
68) m/p-Xylenes	11.703	106	340122	98.792	ug/l	97
69) o-Xylene	12.032	106	167580	49.640	ug/l	98
70) Styrene	12.044	104	289955	50.177	ug/l	97
71) Bromoform	12.209	173	71441	48.975	ug/l #	99
73) Isopropylbenzene	12.331	105	448168	50.604	ug/l	100
74) N-amyl acetate	12.148	43	161768	48.598	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	117078	47.499	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	80560m	42.773	ug/l	
77) Bromobenzene	12.611	156	106428	48.956	ug/l	94
78) n-propylbenzene	12.672	91	543994	50.560	ug/l	99
79) 2-Chlorotoluene	12.757	91	308109	50.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	373189	50.333	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	39679	47.442	ug/l	96
82) 4-Chlorotoluene	12.855	91	315252	49.239	ug/l	99
83) tert-Butylbenzene	13.074	119	330646	50.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	372916	50.268	ug/l	98
85) sec-Butylbenzene	13.257	105	488755	50.293	ug/l	99
86) p-Isopropyltoluene	13.373	119	408320	50.300	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	211135	48.955	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	210100	48.708	ug/l	99
89) n-Butylbenzene	13.696	91	381435	49.621	ug/l	98
90) Hexachloroethane	13.965	117	78086	49.841	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	195145	49.015	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21558	44.038	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	119392	47.635	ug/l	99
94) Hexachlorobutadiene	15.111	225	60339	47.010	ug/l	98
95) Naphthalene	15.239	128	307348	47.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	109600	47.377	ug/l	99

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

