

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016844.D
 Acq On : 26 Dec 2023 10:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/29/2023
 Supervised By :Semsettin Yesilyurt 12/29/2023

Quant Time: Dec 27 01:30:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	157701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	260273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	219722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	98836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	71194	49.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.900%		
35) Dibromofluoromethane	7.734	113	77718	52.128	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.260%		
50) Toluene-d8	10.191	98	287298	53.455	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.920%		
62) 4-Bromofluorobenzene	12.495	95	93778	53.782	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	63667	47.241	ug/l	97
3) Chloromethane	2.119	50	103239	49.836	ug/l	98
4) Vinyl Chloride	2.259	62	121564	51.953	ug/l	98
5) Bromomethane	2.662	94	83502	50.104	ug/l	95
6) Chloroethane	2.802	64	80777	50.946	ug/l	97
7) Trichlorofluoromethane	3.137	101	141739	51.999	ug/l	97
8) Diethyl Ether	3.540	74	41480	47.570	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	87853	52.541	ug/l	99
10) Methyl Iodide	4.107	142	83952	48.182	ug/l	98
11) Tert butyl alcohol	4.966	59	24444	207.086	ug/l	100
12) 1,1-Dichloroethene	3.881	96	79225	53.214	ug/l	96
13) Acrolein	3.741	56	17101	187.771	ug/l	100
14) Allyl chloride	4.491	41	122137	53.561	ug/l	99
15) Acrylonitrile	5.180	53	89303	241.837	ug/l	99
16) Acetone	3.954	43	83688	214.973	ug/l	99
17) Carbon Disulfide	4.210	76	214596	52.975	ug/l	99
18) Methyl Acetate	4.491	43	81893	53.829	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	185545	48.436	ug/l	99
20) Methylene Chloride	4.735	84	89299	45.077	ug/l	99
21) trans-1,2-Dichloroethene	5.234	96	91879	54.112	ug/l	99
22) Diisopropyl ether	6.131	45	275866	53.473	ug/l	97
23) Vinyl Acetate	6.076	43	600384	246.064	ug/l	98
24) 1,1-Dichloroethane	6.033	63	165051	53.259	ug/l	100
25) 2-Butanone	7.002	43	117908	219.982	ug/l	99
26) 2,2-Dichloropropane	6.996	77	144545	53.448	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	102793	52.602	ug/l	98
28) Bromochloromethane	7.350	49	65505	53.405	ug/l	99
29) Tetrahydrofuran	7.362	42	70500	240.551	ug/l	99
30) Chloroform	7.521	83	167134	52.682	ug/l	99
31) Cyclohexane	7.801	56	142429	51.637	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	147524	52.975	ug/l	99
36) 1,1-Dichloropropene	7.929	75	129223	54.064	ug/l	99
37) Ethyl Acetate	7.088	43	49289	48.111	ug/l	99
38) Carbon Tetrachloride	7.917	117	128028	54.131	ug/l	99
39) Methylcyclohexane	9.197	83	154735	56.071	ug/l	98
40) Benzene	8.173	78	379230	54.523	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	29245	53.766	ug/l	95
42) 1,2-Dichloroethane	8.252	62	94135	51.876	ug/l	99
43) Isopropyl Acetate	8.283	43	96276	48.386	ug/l	99
44) Trichloroethene	8.953	130	94693	53.340	ug/l	98
45) 1,2-Dichloropropane	9.228	63	92468	52.998	ug/l	98
46) Dibromomethane	9.319	93	46639	51.744	ug/l	98
47) Bromodichloromethane	9.508	83	124219	52.288	ug/l	96
48) Methyl methacrylate	9.307	41	56814	51.376	ug/l	97
49) 1,4-Dioxane	9.307	88	9247	1057.000	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	260536	245.750	ug/l	100
52) Toluene	10.258	92	231456	55.529	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	113660	52.469	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	139047	53.216	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	66058	51.367	ug/l	98
56) Ethyl methacrylate	10.520	69	58381	51.627	ug/l	99
57) 1,3-Dichloropropane	10.801	76	111691	51.133	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	165376	271.851	ug/l	98
59) 2-Hexanone	10.843	43	181558	229.669	ug/l	99
60) Dibromochloromethane	10.996	129	78036	52.456	ug/l	99
61) 1,2-Dibromoethane	11.099	107	59094	51.240	ug/l	98
64) Tetrachloroethene	10.733	164	73664	53.970	ug/l	97
65) Chlorobenzene	11.532	112	235238	54.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	87741	54.020	ug/l	99
67) Ethyl Benzene	11.605	91	447850	56.364	ug/l	98
68) m/p-Xylenes	11.715	106	334074	113.858	ug/l	100
69) o-Xylene	12.044	106	153365	56.975	ug/l	100
70) Styrene	12.056	104	226019	56.744	ug/l	99
71) Bromoform	12.221	173	41637	51.419	ug/l #	96
73) Isopropylbenzene	12.343	105	426131	55.360	ug/l	100
74) N-amyl acetate	12.154	43	80192	49.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	73968	48.087	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	51370m	47.017	ug/l	
77) Bromobenzene	12.623	156	88044	52.430	ug/l	99
78) n-propylbenzene	12.684	91	518842	55.633	ug/l	100
79) 2-Chlorotoluene	12.770	91	278374	53.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	342066	56.139	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	22099	47.501	ug/l	99
82) 4-Chlorotoluene	12.867	91	288584	54.509	ug/l	100
83) tert-Butylbenzene	13.087	119	297248	56.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	336274	55.968	ug/l	98
85) sec-Butylbenzene	13.264	105	442891	56.417	ug/l	100
86) p-Isopropyltoluene	13.379	119	375177	57.387	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	176799	53.874	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	171583	53.544	ug/l	99
89) n-Butylbenzene	13.709	91	362299	57.972	ug/l	100
90) Hexachloroethane	13.971	117	74418	54.665	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	149256	53.386	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	9473	47.509	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	83874	56.539	ug/l	99
94) Hexachlorobutadiene	15.123	225	50034	59.382	ug/l	99
95) Naphthalene	15.251	128	150435	47.315	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	70196	55.560	ug/l	98

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

