

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112423\
 Data File : VY016474.D
 Acq On : 24 Nov 2023 09:42
 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 11/27/2023
 Supervised By :Semsettin Yesilyurt 11/27/2023

Quant Time: Nov 27 04:38:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	157315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	239925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	211268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	102079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	66150	46.008	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.020%		
35) Dibromofluoromethane	7.728	113	75582	55.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	110.920%		
50) Toluene-d8	10.184	98	280351	50.724	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.440%		
62) 4-Bromofluorobenzene	12.489	95	94504	52.646	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	74305	48.238	ug/l	97
3) Chloromethane	2.119	50	76806	42.575	ug/l	97
4) Vinyl Chloride	2.259	62	89954	46.371	ug/l	96
5) Bromomethane	2.655	94	59186	46.426	ug/l	97
6) Chloroethane	2.802	64	56132	45.347	ug/l	98
7) Trichlorofluoromethane	3.137	101	147693	52.331	ug/l	100
8) Diethyl Ether	3.539	74	40630	48.168	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.911	101	86006	50.596	ug/l	96
10) Methyl Iodide	4.106	142	99660	54.284	ug/l	98
11) Tert butyl alcohol	4.966	59	22097	196.259	ug/l #	79
12) 1,1-Dichloroethene	3.881	96	81316	51.151	ug/l	84
13) Acrolein	3.740	56	22861	168.338	ug/l	100
14) Allyl chloride	4.490	41	97033	43.012	ug/l #	88
15) Acrylonitrile	5.167	53	73682	220.114	ug/l	98
16) Acetone	3.954	43	58020	243.956	ug/l #	82
17) Carbon Disulfide	4.210	76	235135	49.022	ug/l	99
18) Methyl Acetate	4.484	43	53229	42.120	ug/l #	82
19) Methyl tert-butyl Ether	5.234	73	181108	47.070	ug/l	98
20) Methylene Chloride	4.728	84	86067	51.319	ug/l #	82
21) trans-1,2-Dichloroethene	5.234	96	90743	49.576	ug/l	91
22) Diisopropyl ether	6.130	45	206423	42.458	ug/l #	84
23) Vinyl Acetate	6.069	43	486501	206.516	ug/l #	88
24) 1,1-Dichloroethane	6.027	63	139420	46.484	ug/l	94
25) 2-Butanone	6.996	43	87042	208.949	ug/l #	84
26) 2,2-Dichloropropane	6.990	77	136853	50.133	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	99399	50.390	ug/l	86
28) Bromochloromethane	7.343	49	51782	46.648	ug/l #	69
29) Tetrahydrofuran	7.356	42	55192	200.451	ug/l #	79
30) Chloroform	7.514	83	155351	49.761	ug/l	99
31) Cyclohexane	7.795	56	122928	43.426	ug/l	86
32) 1,1,1-Trichloroethane	7.709	97	149439	52.219	ug/l	95
36) 1,1-Dichloropropene	7.929	75	119443	50.470	ug/l	96
37) Ethyl Acetate	7.081	43	38686	40.457	ug/l #	86
38) Carbon Tetrachloride	7.910	117	138977	56.582	ug/l	99
39) Methylcyclohexane	9.191	83	154433	52.369	ug/l	88
40) Benzene	8.167	78	340893	51.269	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25326m	52.528	ug/l	
42) 1,2-Dichloroethane	8.246	62	86053	49.950	ug/l	92
43) Isopropyl Acetate	8.282	43	77072	41.697	ug/l #	83
44) Trichloroethene	8.947	130	103327	54.072	ug/l	93
45) 1,2-Dichloropropane	9.221	63	77877	48.770	ug/l	97
46) Dibromomethane	9.313	93	44415	51.328	ug/l	98
47) Bromodichloromethane	9.502	83	116069	52.174	ug/l	95
48) Methyl methacrylate	9.300	41	43954	43.028	ug/l #	77
49) 1,4-Dioxane	9.300	88	8992	978.809	ug/l #	55
51) 4-Methyl-2-Pentanone	10.075	43	198897	212.799	ug/l #	86
52) Toluene	10.252	92	222485	52.934	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	110632	51.299	ug/l	100
54) cis-1,3-Dichloropropene	9.934	75	133049	51.652	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	64068	53.718	ug/l	94
56) Ethyl methacrylate	10.514	69	55581	49.368	ug/l #	78
57) 1,3-Dichloropropane	10.794	76	103913	51.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	188272	246.621	ug/l #	88
59) 2-Hexanone	10.837	43	142982	205.661	ug/l	82
60) Dibromochloromethane	10.989	129	84078	56.367	ug/l	99
61) 1,2-Dibromoethane	11.093	107	60396	53.153	ug/l	99
64) Tetrachloroethene	10.727	164	107094	56.455	ug/l	98
65) Chlorobenzene	11.520	112	240723	53.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	92193	55.377	ug/l	99
67) Ethyl Benzene	11.599	91	427702	52.724	ug/l	98
68) m/p-Xylenes	11.709	106	330417	107.389	ug/l	93
69) o-Xylene	12.032	106	155849	54.556	ug/l	94
70) Styrene	12.050	104	225780	55.196	ug/l	97
71) Bromoform	12.215	173	49024	56.750	ug/l #	98
73) Isopropylbenzene	12.336	105	424490	51.353	ug/l	99
74) N-amyl acetate	12.148	43	66271	39.913	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.586	83	61780	46.577	ug/l	97
76) 1,2,3-Trichloropropane	12.635	75	46565m	47.553	ug/l	
77) Bromobenzene	12.617	156	97722	52.307	ug/l	89
78) n-propylbenzene	12.678	91	486647	49.816	ug/l	97
79) 2-Chlorotoluene	12.763	91	269433	50.047	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	348551	52.299	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.385	75	21781	48.280	ug/l	88
82) 4-Chlorotoluene	12.861	91	280870	50.490	ug/l	98
83) tert-Butylbenzene	13.080	119	306641	52.237	ug/l	96
84) 1,2,4-Trimethylbenzene	13.129	105	342341	52.168	ug/l	98
85) sec-Butylbenzene	13.257	105	430470	51.329	ug/l	98
86) p-Isopropyltoluene	13.373	119	383041	53.043	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	188268	52.380	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	186195	53.007	ug/l	99
89) n-Butylbenzene	13.702	91	343807	51.553	ug/l	96
90) Hexachloroethane	13.970	117	73200	52.548	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	162484	52.755	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10004	47.405	ug/l	85
93) 1,2,4-Trichlorobenzene	15.013	180	103470	57.554	ug/l	99
94) Hexachlorobutadiene	15.116	225	62093	60.287	ug/l	98
95) Naphthalene	15.245	128	179142	55.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	85858	57.740	ug/l	99

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

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