

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113023\
 Data File : VY016550.D
 Acq On : 30 Nov 2023 16:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/01/2023
 Supervised By :Semsettin Yesilyurt 12/01/2023

Quant Time: Dec 01 00:59:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	173492	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.703	114	263915	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	217997	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	98137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	62099	45.306	ug/l	-0.02
Spiked Amount 50.000	Range 50	- 163	Recovery	=	90.620%	
35) Dibromofluoromethane	7.734	113	75714	48.881	ug/l	-0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	97.760%	
50) Toluene-d8	10.191	98	304770	50.730	ug/l	-0.01
Spiked Amount 50.000	Range 58	- 134	Recovery	=	101.460%	
62) 4-Bromofluorobenzene	12.495	95	92127	48.884	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	97.760%	
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.912	85	73326	48.519	ug/l	98
3) Chloromethane	2.119	50	72866	48.333	ug/l	97
4) Vinyl Chloride	2.259	62	87797	51.597	ug/l	95
5) Bromomethane	2.668	94	55140	50.059	ug/l	98
6) Chloroethane	2.808	64	54276	49.409	ug/l	93
7) Trichlorofluoromethane	3.137	101	149207	50.651	ug/l	98
8) Diethyl Ether	3.540	74	34414	43.985	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.912	101	84182	50.342	ug/l	98
10) Methyl Iodide	4.107	142	95343	50.397	ug/l	97
11) Tert butyl alcohol	4.960	59	16853	193.993	ug/l #	80
12) 1,1-Dichloroethene	3.887	96	78570	50.275	ug/l	81
13) Acrolein	3.741	56	30865	187.495	ug/l	99
14) Allyl chloride	4.497	41	87197	48.534	ug/l #	87
15) Acrylonitrile	5.180	53	55380	200.026	ug/l	97
16) Acetone	3.960	43	43638	161.715	ug/l #	80
17) Carbon Disulfide	4.210	76	221090	50.144	ug/l	98
18) Methyl Acetate	4.485	43	42750	42.135	ug/l #	79
19) Methyl tert-butyl Ether	5.241	73	151901	44.602	ug/l	96
20) Methylene Chloride	4.735	84	75968	47.249	ug/l #	81
21) trans-1,2-Dichloroethene	5.241	96	89530	51.436	ug/l	83
22) Diisopropyl ether	6.131	45	177544	47.129	ug/l #	85
23) Vinyl Acetate	6.076	43	366697	211.078	ug/l #	85
24) 1,1-Dichloroethane	6.033	63	131645	49.516	ug/l	96
25) 2-Butanone	6.996	43	64008	173.084	ug/l #	85
26) 2,2-Dichloropropane	6.996	77	127262	48.432	ug/l	95
27) cis-1,2-Dichloroethene	7.003	96	93454	49.975	ug/l	85
28) Bromochloromethane	7.350	49	42347	44.073	ug/l #	60
29) Tetrahydrofuran	7.362	42	40119	201.941	ug/l #	75
30) Chloroform	7.521	83	145014	48.937	ug/l	95
31) Cyclohexane	7.801	56	114171	47.446	ug/l #	81
32) 1,1,1-Trichloroethane	7.716	97	145771	50.764	ug/l	95
36) 1,1-Dichloropropene	7.935	75	115458	50.477	ug/l	96
37) Ethyl Acetate	7.088	43	28883	40.289	ug/l #	88
38) Carbon Tetrachloride	7.917	117	139364	51.912	ug/l	97
39) Methylcyclohexane	9.197	83	146910	51.493	ug/l	88
40) Benzene	8.173	78	320847	49.473	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	19061m	50.474	ug/l	
42) 1,2-Dichloroethane	8.252	62	73017	45.433	ug/l	91
43) Isopropyl Acetate	8.283	43	58551	41.534	ug/l #	80
44) Trichloroethene	8.953	130	102357	51.240	ug/l	91
45) 1,2-Dichloropropane	9.228	63	69640	47.588	ug/l	99
46) Dibromomethane	9.319	93	36840	44.770	ug/l	95
47) Bromodichloromethane	9.508	83	104843	48.258	ug/l	99
48) Methyl methacrylate	9.307	41	33432	42.242	ug/l #	75
49) 1,4-Dioxane	9.313	88	7247	950.159	ug/l #	73
51) 4-Methyl-2-Pentanone	10.081	43	142712	194.054	ug/l #	83
52) Toluene	10.258	92	210071	50.424	ug/l	94
53) t-1,3-Dichloropropene	10.478	75	92889	46.140	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	115577	47.376	ug/l #	84
55) 1,1,2-Trichloroethane	10.660	97	52500	44.215	ug/l	95
56) Ethyl methacrylate	10.520	69	44529	44.314	ug/l #	76
57) 1,3-Dichloropropane	10.801	76	85975	44.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	129705	208.740	ug/l #	85
59) 2-Hexanone	10.843	43	99380	171.077	ug/l	80
60) Dibromochloromethane	10.996	129	72233	46.541	ug/l	100
61) 1,2-Dibromoethane	11.105	107	49474	44.122	ug/l	99
64) Tetrachloroethene	10.734	164	104355	53.789	ug/l	98
65) Chlorobenzene	11.532	112	220904	50.600	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	83884	50.122	ug/l	100
67) Ethyl Benzene	11.605	91	403420	52.641	ug/l	97
68) m/p-Xylenes	11.715	106	308220	103.923	ug/l	93
69) o-Xylene	12.044	106	142117	52.195	ug/l	96
70) Styrene	12.057	104	203363	51.910	ug/l	96
71) Bromoform	12.221	173	40503	46.854	ug/l #	96
73) Isopropylbenzene	12.343	105	401051	53.889	ug/l	99
74) N-amyl acetate	12.154	43	46562	44.302	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.593	83	48892	44.257	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	38358m	46.552	ug/l	
77) Bromobenzene	12.623	156	86755	50.064	ug/l	86
78) n-propylbenzene	12.684	91	450458	52.906	ug/l	97
79) 2-Chlorotoluene	12.770	91	245712	51.886	ug/l	96
80) 1,3,5-Trimethylbenzene	12.825	105	317554	53.080	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	16547	43.797	ug/l	87
82) 4-Chlorotoluene	12.867	91	245805	50.554	ug/l	96
83) tert-Butylbenzene	13.087	119	293436	54.350	ug/l	96
84) 1,2,4-Trimethylbenzene	13.136	105	306964	52.702	ug/l	96
85) sec-Butylbenzene	13.270	105	397046	53.173	ug/l	98
86) p-Isopropyltoluene	13.386	119	346499	53.707	ug/l	97
87) 1,3-Dichlorobenzene	13.379	146	164379	50.236	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	158618	49.526	ug/l	100
89) n-Butylbenzene	13.709	91	297041	52.527	ug/l	95
90) Hexachloroethane	13.977	117	65874	52.331	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	136013	49.047	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	7053	45.382	ug/l	80
93) 1,2,4-Trichlorobenzene	15.019	180	75393	44.767	ug/l	98
94) Hexachlorobutadiene	15.123	225	49465	51.503	ug/l	99
95) Naphthalene	15.251	128	118923	40.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	60255	44.031	ug/l	99

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

