

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016720.D
 Acq On : 20 Dec 2023 01:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 06:44:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	144429	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	218821	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	190486	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	90560	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	61443	51.433	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.860%			
35) Dibromofluoromethane	7.746	113	66251	51.406	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.820%			
50) Toluene-d8	10.203	98	240762	51.584	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.501	95	67336	50.739	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	51017	49.970	ug/l	99
3) Chloromethane	2.125	50	102453	56.868	ug/l	100
4) Vinyl Chloride	2.265	62	142830	51.204	ug/l	100
5) Bromomethane	2.668	94	122674	50.686	ug/l	99
6) Chloroethane	2.814	64	103998	49.810	ug/l	94
7) Trichlorofluoromethane	3.149	101	118174	48.335	ug/l	98
8) Diethyl Ether	3.552	74	34569	52.821	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.930	101	64838	48.880	ug/l	94
10) Methyl Iodide	4.119	142	81673	54.218	ug/l	97
11) Tert butyl alcohol	4.984	59	16785	220.847	ug/l	98
12) 1,1-Dichloroethene	3.899	96	60758	50.502	ug/l	97
13) Acrolein	3.747	56	13972	229.360	ug/l	98
14) Allyl chloride	4.509	41	75549	50.292	ug/l #	84
15) Acrylonitrile	5.192	53	65275	249.126	ug/l	97
16) Acetone	3.966	43	52454	213.844	ug/l	95
17) Carbon Disulfide	4.222	76	167794	52.114	ug/l	98
18) Methyl Acetate	4.503	43	56818	54.891	ug/l	99
19) Methyl tert-butyl Ether	5.253	73	154905	53.301	ug/l	99
20) Methylene Chloride	4.747	84	77041	60.189	ug/l	98
21) trans-1,2-Dichloroethene	5.253	96	73993	54.382	ug/l	98
22) Diisopropyl ether	6.149	45	186387	54.209	ug/l	93
23) Vinyl Acetate	6.088	43	416912	247.973	ug/l	97
24) 1,1-Dichloroethane	6.051	63	126811	53.556	ug/l	100
25) 2-Butanone	7.015	43	76817	236.599	ug/l	99
26) 2,2-Dichloropropane	7.015	77	105700	49.155	ug/l	97
27) cis-1,2-Dichloroethene	7.015	96	85929	55.875	ug/l	99
28) Bromochloromethane	7.362	49	50098	58.266	ug/l	96
29) Tetrahydrofuran	7.380	42	48979	253.238	ug/l	99
30) Chloroform	7.533	83	137538	54.141	ug/l	99
31) Cyclohexane	7.813	56	90673	46.372	ug/l	96
32) 1,1,1-Trichloroethane	7.728	97	117918	52.275	ug/l	95
36) 1,1-Dichloropropene	7.947	75	97304	49.913	ug/l	98
37) Ethyl Acetate	7.106	43	35628	47.717	ug/l	94
38) Carbon Tetrachloride	7.929	117	108068	51.377	ug/l	99
39) Methylcyclohexane	9.209	83	110929	49.423	ug/l	97
40) Benzene	8.185	78	294396	52.561	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	19403m	48.930	ug/l	
42) 1,2-Dichloroethane	8.264	62	83699	52.809	ug/l	96
43) Isopropyl Acetate	8.295	43	69797	48.671	ug/l	97
44) Trichloroethene	8.965	130	80948	52.516	ug/l	94
45) 1,2-Dichloropropane	9.240	63	70625	52.754	ug/l	97
46) Dibromomethane	9.331	93	39876	52.746	ug/l	98
47) Bromodichloromethane	9.520	83	105140	53.265	ug/l	98
48) Methyl methacrylate	9.313	41	39039	50.174	ug/l #	87
49) 1,4-Dioxane	9.325	88	6932	995.902	ug/l #	80
51) 4-Methyl-2-Pentanone	10.093	43	183377	249.136	ug/l	95
52) Toluene	10.264	92	182219	53.171	ug/l	95
53) t-1,3-Dichloropropene	10.490	75	93072	52.660	ug/l	100
54) cis-1,3-Dichloropropene	9.953	75	109768	52.415	ug/l #	92
55) 1,1,2-Trichloroethane	10.666	97	54122	51.825	ug/l	96
56) Ethyl methacrylate	10.532	69	44354	52.193	ug/l #	91
57) 1,3-Dichloropropane	10.813	76	91056	52.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	129318	222.875	ug/l	96
59) 2-Hexanone	10.849	43	120250	224.237	ug/l	94
60) Dibromochloromethane	11.008	129	69806	55.054	ug/l	100
61) 1,2-Dibromoethane	11.111	107	49053	52.154	ug/l	98
64) Tetrachloroethene	10.740	164	72436	55.129	ug/l	98
65) Chlorobenzene	11.538	112	198973	52.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	77566	53.075	ug/l	99
67) Ethyl Benzene	11.611	91	355994	52.824	ug/l	98
68) m/p-Xylenes	11.721	106	271625	106.329	ug/l	100
69) o-Xylene	12.050	106	125749	53.885	ug/l	100
70) Styrene	12.062	104	181373	53.826	ug/l	98
71) Bromoform	12.227	173	39759	52.526	ug/l #	98
73) Isopropylbenzene	12.349	105	333389	53.244	ug/l	99
74) N-amyl acetate	12.160	43	54131	47.776	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.599	83	57759	49.574	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	39067m	49.628	ug/l	
77) Bromobenzene	12.629	156	80980	53.637	ug/l	96
78) n-propylbenzene	12.690	91	393057	52.949	ug/l	99
79) 2-Chlorotoluene	12.776	91	208303	52.386	ug/l	97
80) 1,3,5-Trimethylbenzene	12.831	105	265767	54.164	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	15999	46.631	ug/l #	87
82) 4-Chlorotoluene	12.873	91	214473	52.161	ug/l	97
83) tert-Butylbenzene	13.093	119	236842	53.643	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	265504	53.982	ug/l	99
85) sec-Butylbenzene	13.270	105	337519	53.009	ug/l	100
86) p-Isopropyltoluene	13.385	119	297655	53.471	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	155973	52.206	ug/l	98
88) 1,4-Dichlorobenzene	13.465	146	150045	52.423	ug/l	99
89) n-Butylbenzene	13.715	91	264304	51.940	ug/l	98
90) Hexachloroethane	13.977	117	59562	53.688	ug/l	99
91) 1,2-Dichlorobenzene	13.757	146	130983	53.365	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.373	75	6843	44.795	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	74401	50.710	ug/l	99
94) Hexachlorobutadiene	15.129	225	48202	51.981	ug/l	99
95) Naphthalene	15.251	128	116385	49.555	ug/l	98
96) 1,2,3-Trichlorobenzene	15.440	180	61776	49.782	ug/l	98

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

