

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016679.D
 Acq On : 16 Dec 2023 19:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 00:44:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	299268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	474842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	424134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	205841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	108331	44.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.660%		
35) Dibromofluoromethane	7.728	113	119552	46.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.880%		
50) Toluene-d8	10.185	98	452265	45.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.480%		
62) 4-Bromofluorobenzene	12.489	95	151795	46.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	134508	57.670	ug/l	99
3) Chloromethane	2.119	50	158755	43.678	ug/l	98
4) Vinyl Chloride	2.260	62	172501	41.343	ug/l	99
5) Bromomethane	2.662	94	121896	40.818	ug/l	99
6) Chloroethane	2.802	64	118019	43.488	ug/l	97
7) Trichlorofluoromethane	3.137	101	231304	49.634	ug/l	97
8) Diethyl Ether	3.540	74	80614	55.378	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.912	101	154482	53.600	ug/l	97
10) Methyl Iodide	4.107	142	185696	61.906	ug/l	95
11) Tert butyl alcohol	4.972	59	42947	217.451	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	153088	56.343	ug/l	85
13) Acrolein	3.741	56	27607	189.961	ug/l	99
14) Allyl chloride	4.497	41	204640	55.550	ug/l #	88
15) Acrylonitrile	5.180	53	138302	228.302	ug/l	97
16) Acetone	3.960	43	144959	250.901	ug/l #	82
17) Carbon Disulfide	4.210	76	478199	55.646	ug/l	99
18) Methyl Acetate	4.491	43	137541	60.176	ug/l #	85
19) Methyl tert-butyl Ether	5.235	73	326722	51.285	ug/l	99
20) Methylene Chloride	4.735	84	178978	59.340	ug/l #	84
21) trans-1,2-Dichloroethene	5.235	96	157599	49.785	ug/l	92
22) Diisopropyl ether	6.137	45	399252	50.569	ug/l #	85
23) Vinyl Acetate	6.082	43	953615m	245.129	ug/l	
24) 1,1-Dichloroethane	6.039	63	231391	44.911	ug/l	95
25) 2-Butanone	6.997	43	219002	267.229	ug/l #	87
26) 2,2-Dichloropropane	6.997	77	232352	50.796	ug/l	94
27) cis-1,2-Dichloroethene	7.003	96	204629	59.858	ug/l	87
28) Bromochloromethane	7.344	49	98764	53.935	ug/l #	80
29) Tetrahydrofuran	7.362	42	139800	293.840	ug/l #	84
30) Chloroform	7.521	83	315406	58.864	ug/l	95
31) Cyclohexane	7.801	56	244185	50.535	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	274024	57.006	ug/l	96
36) 1,1-Dichloropropene	7.929	75	234605	55.612	ug/l	98
37) Ethyl Acetate	7.088	43	94877	54.574	ug/l #	92
38) Carbon Tetrachloride	7.911	117	248842	58.724	ug/l	98
39) Methylcyclohexane	9.191	83	290629	54.813	ug/l	92
40) Benzene	8.173	78	716498	57.950	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	48497m	55.380	ug/l	
42) 1,2-Dichloroethane	8.246	62	181376	57.396	ug/l	90
43) Isopropyl Acetate	8.283	43	181880	56.925	ug/l #	87
44) Trichloroethene	8.947	130	204832	59.484	ug/l	96
45) 1,2-Dichloropropane	9.228	63	170402	58.994	ug/l	98
46) Dibromomethane	9.313	93	96281	60.274	ug/l	99
47) Bromodichloromethane	9.502	83	239223	59.271	ug/l	98
48) Methyl methacrylate	9.301	41	105101	59.404	ug/l #	79
49) 1,4-Dioxane	9.307	88	20943	1223.911	ug/l #	62
51) 4-Methyl-2-Pentanone	10.075	43	483985	288.823	ug/l #	86
52) Toluene	10.252	92	460486	59.457	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	225551	59.238	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	273350	59.711	ug/l #	86
55) 1,1,2-Trichloroethane	10.654	97	134890	60.098	ug/l	95
56) Ethyl methacrylate	10.514	69	125821	64.656	ug/l #	78
57) 1,3-Dichloropropane	10.795	76	227914	61.014	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	311767	231.528	ug/l	91
59) 2-Hexanone	10.837	43	337988	245.851	ug/l	83
60) Dibromochloromethane	10.990	129	170694	62.751	ug/l	99
61) 1,2-Dibromoethane	11.093	107	130796	62.089	ug/l	100
64) Tetrachloroethene	10.728	164	218409	62.855	ug/l	97
65) Chlorobenzene	11.520	112	488355	59.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	183137	60.530	ug/l	98
67) Ethyl Benzene	11.599	91	865833	58.174	ug/l	97
68) m/p-Xylenes	11.709	106	676220	117.770	ug/l	92
69) o-Xylene	12.038	106	316535	60.269	ug/l	95
70) Styrene	12.050	104	471548	61.970	ug/l	96
71) Bromoform	12.215	173	103740	63.227	ug/l #	98
73) Isopropylbenzene	12.337	105	834692	57.650	ug/l	99
74) N-amyl acetate	12.148	43	152942	56.358	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.587	83	140068	56.865	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	107283m	56.900	ug/l	
77) Bromobenzene	12.617	156	201972	59.540	ug/l	91
78) n-propylbenzene	12.678	91	974422	56.306	ug/l	98
79) 2-Chlorotoluene	12.764	91	547899	57.655	ug/l	96
80) 1,3,5-Trimethylbenzene	12.819	105	690080	59.608	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	45643	55.320	ug/l	88
82) 4-Chlorotoluene	12.861	91	570968	58.101	ug/l	97
83) tert-Butylbenzene	13.081	119	594757	58.876	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	683117	59.496	ug/l	97
85) sec-Butylbenzene	13.258	105	843309	56.892	ug/l	99
86) p-Isopropyltoluene	13.373	119	745022	58.869	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	383574	58.179	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	377326	58.203	ug/l	99
89) n-Butylbenzene	13.703	91	658506	56.011	ug/l	96
90) Hexachloroethane	13.965	117	98951	39.283	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	339091	59.942	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12224	34.288	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	103463	33.857	ug/l	99
94) Hexachlorobutadiene	15.117	225	54836	29.896	ug/l	97
95) Naphthalene	15.245	128	194064	37.629	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	86693	34.415	ug/l	99

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

