

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013437.D
 Acq On : 25 Apr 2023 10:49
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/26/2023
 Supervised By :Mahesh Dadoda 04/26/2023

Quant Time: Apr 25 15:11:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	246768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	127809	47.247	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.500%		
35) Dibromofluoromethane	7.716	113	118815	50.785	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.560%		
50) Toluene-d8	10.179	98	419349	50.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.780%		
62) 4-Bromofluorobenzene	12.483	95	142700	50.858	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	125550	53.517	ug/l	100
3) Chloromethane	2.113	50	142115	45.193	ug/l	99
4) Vinyl Chloride	2.253	62	141295	45.127	ug/l	96
5) Bromomethane	2.656	94	104212	41.766	ug/l	98
6) Chloroethane	2.796	64	92539	42.782	ug/l	99
7) Trichlorofluoromethane	3.125	101	231422	48.790	ug/l	98
8) Diethyl Ether	3.528	74	78959	48.884	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.900	101	131424	49.397	ug/l	96
10) Methyl Iodide	4.088	142	172948	51.755	ug/l	98
11) Tert butyl alcohol	4.972	59	61177	200.914	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	127784	49.826	ug/l	93
13) Acrolein	3.729	56	52111	219.390	ug/l	91
14) Allyl chloride	4.479	41	237292	49.865	ug/l	97
15) Acrylonitrile	5.168	53	213354	235.855	ug/l	100
16) Acetone	3.954	43	273636	256.862	ug/l	94
17) Carbon Disulfide	4.192	76	421379	50.581	ug/l	100
18) Methyl Acetate	4.473	43	158957	45.178	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	368456	49.764	ug/l	100
20) Methylene Chloride	4.710	84	167216	50.125	ug/l #	88
21) trans-1,2-Dichloroethene	5.216	96	146472	52.235	ug/l	96
22) Diisopropyl ether	6.119	45	475197	51.090	ug/l	98
23) Vinyl Acetate	6.058	43	1448551	275.062	ug/l	97
24) 1,1-Dichloroethane	6.015	63	265520	51.221	ug/l	98
25) 2-Butanone	6.984	43	328524	243.164	ug/l	95
26) 2,2-Dichloropropane	6.978	77	229609	51.402	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	161428	52.104	ug/l	96
28) Bromochloromethane	7.332	49	86954	47.269	ug/l	85
29) Tetrahydrofuran	7.350	42	185015	219.996	ug/l	93
30) Chloroform	7.503	83	262210	50.875	ug/l	97
31) Cyclohexane	7.783	56	223837	46.216	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	235888	51.289	ug/l	98
36) 1,1-Dichloropropene	7.917	75	198332	51.079	ug/l	98
37) Ethyl Acetate	7.070	43	131103	44.868	ug/l	99
38) Carbon Tetrachloride	7.899	117	214863	52.796	ug/l	97
39) Methylcyclohexane	9.179	83	239915	52.412	ug/l	96
40) Benzene	8.161	78	576662	52.723	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	66705	48.989	ug/l	94
42) 1,2-Dichloroethane	8.234	62	184360	51.557	ug/l	99
43) Isopropyl Acetate	8.271	43	232963	47.235	ug/l	98
44) Trichloroethene	8.941	130	152838	52.533	ug/l	97
45) 1,2-Dichloropropane	9.216	63	148248	51.839	ug/l	97
46) Dibromomethane	9.301	93	86800	50.727	ug/l	96
47) Bromodichloromethane	9.496	83	201422	52.606	ug/l	97
48) Methyl methacrylate	9.295	41	111234	49.108	ug/l	95
49) 1,4-Dioxane	9.307	88	22624	925.758	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	643898	234.286	ug/l	97
52) Toluene	10.240	92	348804	52.994	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	212722	52.495	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	235052	51.550	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	118225	52.173	ug/l	97
56) Ethyl methacrylate	10.508	69	163105	51.882	ug/l	91
57) 1,3-Dichloropropane	10.789	76	196867	51.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	273174	231.727	ug/l	96
59) 2-Hexanone	10.831	43	501716	251.131	ug/l	97
60) Dibromochloromethane	10.984	129	145967	53.051	ug/l	99
61) 1,2-Dibromoethane	11.087	107	113869	51.111	ug/l	100
64) Tetrachloroethene	10.721	164	126185	50.588	ug/l	94
65) Chlorobenzene	11.514	112	374896	52.465	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	142492	53.319	ug/l	99
67) Ethyl Benzene	11.593	91	672396	53.587	ug/l	99
68) m/p-Xylenes	11.703	106	511318	107.192	ug/l	99
69) o-Xylene	12.032	106	243770	54.035	ug/l	99
70) Styrene	12.044	104	410756	54.455	ug/l	99
71) Bromoform	12.209	173	94091	50.264	ug/l #	99
73) Isopropylbenzene	12.331	105	635204	52.512	ug/l	99
74) N-amyl acetate	12.142	43	208309	48.392	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	145016	49.047	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	108203m	50.168	ug/l	
77) Bromobenzene	12.611	156	153287	52.299	ug/l	93
78) n-propylbenzene	12.672	91	786631	52.796	ug/l	98
79) 2-Chlorotoluene	12.758	91	437423	52.573	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	524862	53.161	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	51958	49.278	ug/l	98
82) 4-Chlorotoluene	12.855	91	454286	52.385	ug/l	97
83) tert-Butylbenzene	13.075	119	447753	52.346	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	516233	53.780	ug/l	99
85) sec-Butylbenzene	13.251	105	669855	52.180	ug/l	99
86) p-Isopropyltoluene	13.367	119	548725	53.153	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	287426	51.473	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	291289	51.640	ug/l	99
89) n-Butylbenzene	13.697	91	533603	52.958	ug/l	99
90) Hexachloroethane	13.965	117	112467	51.763	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	263074	52.171	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24496	46.911	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	165335	54.994	ug/l	98
94) Hexachlorobutadiene	15.111	225	97985	56.002	ug/l	98
95) Naphthalene	15.239	128	360459	55.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	148991	55.602	ug/l	99

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

