

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY013998.D
 Acq On : 05 Jun 2023 10:54
 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 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023

Quant Time: Jun 05 15:30:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	198416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	308751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	284732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	125880	47.926	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.860%		
35) Dibromofluoromethane	7.722	113	103443	52.719	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.440%		
50) Toluene-d8	10.185	98	382843	51.152	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.300%		
62) 4-Bromofluorobenzene	12.483	95	134498	52.711	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	82182	47.073	ug/l	100
3) Chloromethane	2.113	50	113113	46.780	ug/l	96
4) Vinyl Chloride	2.253	62	107980	48.206	ug/l	99
5) Bromomethane	2.656	94	83056	42.582	ug/l	92
6) Chloroethane	2.802	64	70938	44.251	ug/l	97
7) Trichlorofluoromethane	3.131	101	177442	50.109	ug/l	99
8) Diethyl Ether	3.533	74	65367	47.086	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	92454	50.825	ug/l	99
10) Methyl Iodide	4.094	142	120158	47.928	ug/l	99
11) Tert butyl alcohol	4.972	59	68225	126.387	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	93888	49.226	ug/l	96
13) Acrolein	3.735	56	42954	173.761	ug/l	98
14) Allyl chloride	4.485	41	177580	47.976	ug/l	97
15) Acrylonitrile	5.167	53	189093	245.460	ug/l	100
16) Acetone	3.954	43	238272	265.150	ug/l	100
17) Carbon Disulfide	4.198	76	273396	42.391	ug/l	97
18) Methyl Acetate	4.478	43	150154	46.249	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	316800	51.339	ug/l	99
20) Methylene Chloride	4.716	84	123020	50.665	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	109783	50.817	ug/l	99
22) Diisopropyl ether	6.118	45	369572	51.510	ug/l	97
23) Vinyl Acetate	6.064	43	1097399	243.857	ug/l	99
24) 1,1-Dichloroethane	6.021	63	200549	50.078	ug/l	100
25) 2-Butanone	6.990	43	270988	242.059	ug/l	99
26) 2,2-Dichloropropane	6.984	77	180141	49.565	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	123560	49.955	ug/l	99
28) Bromochloromethane	7.338	49	93160	49.257	ug/l	99
29) Tetrahydrofuran	7.350	42	152917	219.654	ug/l	99
30) Chloroform	7.508	83	216438	51.474	ug/l	96
31) Cyclohexane	7.789	56	138138	43.676	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	180896	50.719	ug/l	98
36) 1,1-Dichloropropene	7.923	75	145252	51.960	ug/l	98
37) Ethyl Acetate	7.076	43	106907	43.864	ug/l	100
38) Carbon Tetrachloride	7.905	117	165528	52.842	ug/l	98
39) Methylcyclohexane	9.185	83	146458	49.076	ug/l	100
40) Benzene	8.161	78	442110	51.268	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	48652m	43.190	ug/l	
42) 1,2-Dichloroethane	8.240	62	159817	50.541	ug/l	100
43) Isopropyl Acetate	8.277	43	194611	47.422	ug/l	99
44) Trichloroethene	8.941	130	117801	52.165	ug/l	95
45) 1,2-Dichloropropane	9.215	63	114789	51.581	ug/l	96
46) Dibromomethane	9.307	93	71337	50.072	ug/l	99
47) Bromodichloromethane	9.496	83	170613	53.161	ug/l	98
48) Methyl methacrylate	9.295	41	90014	48.190	ug/l	100
49) 1,4-Dioxane	9.313	88	19759	953.684	ug/l #	46
51) 4-Methyl-2-Pentanone	10.075	43	547070	236.014	ug/l	100
52) Toluene	10.246	92	274526	51.966	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	178140	51.673	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	194485	52.839	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	100022	53.253	ug/l	94
56) Ethyl methacrylate	10.508	69	135074	50.087	ug/l	99
57) 1,3-Dichloropropane	10.794	76	163593	50.974	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	331655	249.957	ug/l	98
59) 2-Hexanone	10.837	43	417121	248.517	ug/l	99
60) Dibromochloromethane	10.989	129	125971	53.065	ug/l	99
61) 1,2-Dibromoethane	11.093	107	94277	49.958	ug/l	100
64) Tetrachloroethene	10.721	164	109404	56.086	ug/l	96
65) Chlorobenzene	11.520	112	303978	52.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	122983	54.081	ug/l	99
67) Ethyl Benzene	11.593	91	534839	52.896	ug/l	100
68) m/p-Xylenes	11.703	106	415298	107.527	ug/l	98
69) o-Xylene	12.032	106	197424	53.345	ug/l	99
70) Styrene	12.044	104	345275	54.317	ug/l	99
71) Bromoform	12.209	173	86747	51.742	ug/l	100
73) Isopropylbenzene	12.331	105	505168	52.577	ug/l	100
74) N-amyl acetate	12.148	43	170913	46.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	119317	47.514	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	102946m	52.552	ug/l	
77) Bromobenzene	12.611	156	135755	52.265	ug/l	97
78) n-propylbenzene	12.672	91	629240	53.435	ug/l	100
79) 2-Chlorotoluene	12.757	91	369338	52.979	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	442573	53.743	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	44758	48.472	ug/l	99
82) 4-Chlorotoluene	12.855	91	382042	52.108	ug/l	100
83) tert-Butylbenzene	13.074	119	371767	53.910	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	439606	53.446	ug/l	99
85) sec-Butylbenzene	13.257	105	539150	53.765	ug/l	100
86) p-Isopropyltoluene	13.373	119	455689	53.834	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	258662	52.438	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	256390	51.383	ug/l	99
89) n-Butylbenzene	13.702	91	422739	52.929	ug/l	99
90) Hexachloroethane	13.965	117	90914	51.175	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	232686	51.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22099	45.626	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	138716	49.657	ug/l	99
94) Hexachlorobutadiene	15.111	225	77989	52.414	ug/l	97
95) Naphthalene	15.239	128	288568	43.052	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	123402	48.501	ug/l	99

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

