

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008362.D
 Acq On : 15 Apr 2022 19:31
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 16 05:01:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	115873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52382	48.127	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.260%		
35) Dibromofluoromethane	7.716	113	57193	50.129	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.260%		
50) Toluene-d8	10.179	98	193830	49.649	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.483	95	71535	48.717	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44142	46.001	ug/l	93
3) Chloromethane	2.113	50	56577	52.338	ug/l	96
4) Vinyl Chloride	2.247	62	79009	47.862	ug/l	100
5) Bromomethane	2.650	94	69985	55.043	ug/l	98
6) Chloroethane	2.790	64	57671	49.880	ug/l	99
7) Trichlorofluoromethane	3.125	101	96701	49.231	ug/l	93
8) Diethyl Ether	3.527	74	35170	49.545	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.899	101	63951	50.122	ug/l	93
10) Methyl Iodide	4.088	142	68786	48.326	ug/l	90
11) Tert butyl alcohol	4.948	59	35710	306.890	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	55845	48.863	ug/l #	78
13) Acrolein	3.729	56	19371	211.424	ug/l	98
14) Allyl chloride	4.479	41	76822	51.504	ug/l #	91
15) Acrylonitrile	5.161	53	95610	275.379	ug/l	98
16) Acetone	3.942	43	65945	251.899	ug/l #	87
17) Carbon Disulfide	4.192	76	129494	42.949	ug/l	99
18) Methyl Acetate	4.472	43	39490	64.154	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	191714	54.356	ug/l	94
20) Methylene Chloride	4.716	84	82658	61.557	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	67592	49.361	ug/l #	81
22) Diisopropyl ether	6.118	45	190983	54.272	ug/l #	90
23) Vinyl Acetate	6.058	43	639983	280.672	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	122585	54.268	ug/l	98
25) 2-Butanone	6.984	43	117300	286.549	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	111080	53.399	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	86203	53.058	ug/l	81
28) Bromochloromethane	7.332	49	50912	58.802	ug/l #	71
29) Tetrahydrofuran	7.344	42	76927	291.068	ug/l #	73
30) Chloroform	7.502	83	137595	54.551	ug/l	98
31) Cyclohexane	7.783	56	91806	46.645	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	119647	54.226	ug/l	95
36) 1,1-Dichloropropene	7.917	75	93624	51.389	ug/l	96
37) Ethyl Acetate	7.070	43	52905	56.317	ug/l #	89
38) Carbon Tetrachloride	7.899	117	104511	53.322	ug/l	96
39) Methylcyclohexane	9.179	83	114935	49.031	ug/l #	84
40) Benzene	8.161	78	284627	52.463	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27376m	52.091	ug/l	
42) 1,2-Dichloroethane	8.240	62	84033	53.389	ug/l	89
43) Isopropyl Acetate	8.271	43	100448	57.614	ug/l #	85
44) Trichloroethene	8.941	130	80280	51.922	ug/l	99
45) 1,2-Dichloropropane	9.215	63	71559	53.993	ug/l	98
46) Dibromomethane	9.307	93	47155	53.757	ug/l	94
47) Bromodichloromethane	9.496	83	108487	54.993	ug/l	97
48) Methyl methacrylate	9.289	41	42277	57.042	ug/l #	72
49) 1,4-Dioxane	9.295	88	13247	1170.233	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	273832	304.169	ug/l #	84
52) Toluene	10.246	92	187296	52.398	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	109645	54.537	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	120176	52.984	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	67018	53.560	ug/l	97
56) Ethyl methacrylate	10.508	69	88078	57.414	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	108778	54.136	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	155594	257.485	ug/l	90
59) 2-Hexanone	10.831	43	189004	305.109	ug/l	80
60) Dibromochloromethane	10.983	129	79138	54.143	ug/l	100
61) 1,2-Dibromoethane	11.087	107	64757	52.933	ug/l	99
64) Tetrachloroethene	10.721	164	64119	50.218	ug/l	98
65) Chlorobenzene	11.514	112	207409	52.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	80751	55.083	ug/l	96
67) Ethyl Benzene	11.593	91	367445	54.999	ug/l	98
68) m/p-Xylenes	11.703	106	293820	110.582	ug/l	91
69) o-Xylene	12.032	106	141729	54.967	ug/l	92
70) Styrene	12.044	104	242536	57.035	ug/l	94
71) Bromoform	12.209	173	49157	55.628	ug/l #	100
73) Isopropylbenzene	12.331	105	374464	54.198	ug/l	100
74) N-amyl acetate	12.142	43	91111	60.740	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	83895	57.385	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	61283m	59.626	ug/l	
77) Bromobenzene	12.611	156	85128	50.280	ug/l	96
78) n-propylbenzene	12.672	91	440882	54.077	ug/l	98
79) 2-Chlorotoluene	12.758	91	245868	53.736	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	305948	54.002	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	27191	59.194	ug/l #	82
82) 4-Chlorotoluene	12.855	91	252923	53.791	ug/l	96
83) tert-Butylbenzene	13.075	119	275155	54.137	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	307720	54.884	ug/l	96
85) sec-Butylbenzene	13.257	105	417206	55.369	ug/l	100
86) p-Isopropyltoluene	13.373	119	344050	54.716	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	177608	52.968	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	172246	51.902	ug/l	99
89) n-Butylbenzene	13.696	91	303233	53.376	ug/l	99
90) Hexachloroethane	13.965	117	63465	54.002	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	155165	52.013	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12161	58.139	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	80822	45.805	ug/l	99
94) Hexachlorobutadiene	15.111	225	41113	45.896	ug/l	98
95) Naphthalene	15.239	128	192160	50.842	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	72476	46.938	ug/l	99

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

