

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052622\
 Data File : VY009107.D
 Acq On : 26 May 2022 10:35
 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 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 27 03:21:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	106569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	172808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50821	46.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.680%		
35) Dibromofluoromethane	7.716	113	54177	51.391	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.780%		
50) Toluene-d8	10.179	98	177658	45.680	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.360%		
62) 4-Bromofluorobenzene	12.483	95	89952	57.337	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	114.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47773	49.013	ug/l	98
3) Chloromethane	2.113	50	74769	53.545	ug/l	100
4) Vinyl Chloride	2.253	62	106114	51.293	ug/l	99
5) Bromomethane	2.643	94	84482	41.660	ug/l	99
6) Chloroethane	2.790	64	73179	49.931	ug/l	98
7) Trichlorofluoromethane	3.125	101	82878	47.174	ug/l	91
8) Diethyl Ether	3.527	74	25227	45.922	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	52044	48.199	ug/l	94
10) Methyl Iodide	4.088	142	57072	51.187	ug/l	92
11) Tert butyl alcohol	4.948	59	23205	208.584	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	47424	47.312	ug/l	80
13) Acrolein	3.722	56	4718	128.841	ug/l	94
14) Allyl chloride	4.472	41	71509	47.338	ug/l #	87
15) Acrylonitrile	5.161	53	69377	225.554	ug/l	98
16) Acetone	3.948	43	59528	260.739	ug/l	90
17) Carbon Disulfide	4.192	76	152478	46.562	ug/l	100
18) Methyl Acetate	4.478	43	31318	44.052	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	137520	45.709	ug/l	93
20) Methylene Chloride	4.716	84	58425	45.001	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	59356	46.135	ug/l	83
22) Diisopropyl ether	6.112	45	170460	46.970	ug/l #	92
23) Vinyl Acetate	6.057	43	569547	237.252	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	101179	46.612	ug/l	98
25) 2-Butanone	6.984	43	97234	238.449	ug/l	93
26) 2,2-Dichloropropane	6.978	77	96726	48.374	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	66043	45.537	ug/l	90
28) Bromochloromethane	7.325	49	34363	46.122	ug/l #	92
29) Tetrahydrofuran	7.344	42	62309	224.947	ug/l #	87
30) Chloroform	7.502	83	107429	45.849	ug/l	98
31) Cyclohexane	7.783	56	95367	44.446	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	98086	46.141	ug/l	100
36) 1,1-Dichloropropene	7.917	75	86707	48.330	ug/l	98
37) Ethyl Acetate	7.075	43	43677	46.933	ug/l	98
38) Carbon Tetrachloride	7.899	117	88940	47.390	ug/l	98
39) Methylcyclohexane	9.185	83	110216	47.594	ug/l	90
40) Benzene	8.161	78	247342	47.810	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22229m	46.288	ug/l	
42) 1,2-Dichloroethane	8.234	62	74114	48.787	ug/l	95
43) Isopropyl Acetate	8.270	43	84540	48.855	ug/l #	94
44) Trichloroethene	8.935	130	63582	46.416	ug/l	99
45) 1,2-Dichloropropane	9.215	63	60946	49.063	ug/l	93
46) Dibromomethane	9.301	93	37669	47.690	ug/l	92
47) Bromodichloromethane	9.496	83	87374	48.402	ug/l	95
48) Methyl methacrylate	9.295	41	39401	50.992	ug/l	88
49) 1,4-Dioxane	9.289	88	9629	911.943	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	236280	246.722	ug/l	93
52) Toluene	10.246	92	172889	47.820	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	93540	48.796	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	100973	48.997	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	51456	46.564	ug/l	96
56) Ethyl methacrylate	10.508	69	68833	48.720	ug/l	88
57) 1,3-Dichloropropane	10.788	76	87863	48.741	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	155218	253.944	ug/l	96
59) 2-Hexanone	10.831	43	168998	257.739	ug/l	92
60) Dibromochloromethane	10.983	129	62573	46.711	ug/l	100
61) 1,2-Dibromoethane	11.087	107	50969	46.545	ug/l	99
64) Tetrachloroethene	10.715	164	57022	45.334	ug/l	97
65) Chlorobenzene	11.514	112	178959	45.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	67953	46.789	ug/l	95
67) Ethyl Benzene	11.593	91	343557	48.064	ug/l	99
68) m/p-Xylenes	11.703	106	287598	99.114	ug/l	91
69) o-Xylene	12.032	106	132025	48.996	ug/l	90
70) Styrene	12.044	104	229012	49.421	ug/l	96
71) Bromoform	12.209	173	44674	46.402	ug/l #	99
73) Isopropylbenzene	12.331	105	362682	43.292	ug/l	99
74) N-amyl acetate	12.142	43	91849	47.519	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	71468	41.413	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	53424m	44.404	ug/l	
77) Bromobenzene	12.611	156	80147	41.271	ug/l	94
78) n-propylbenzene	12.672	91	461814	47.713	ug/l	99
79) 2-Chlorotoluene	12.757	91	246426	44.138	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	319511	45.502	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	25493	43.490	ug/l	86
82) 4-Chlorotoluene	12.855	91	276463	46.297	ug/l	98
83) tert-Butylbenzene	13.074	119	276754	44.425	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	325423	46.685	ug/l	97
85) sec-Butylbenzene	13.251	105	444164	46.600	ug/l	99
86) p-Isopropyltoluene	13.367	119	378544	47.626	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	187791	45.332	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	185631	44.603	ug/l	99
89) n-Butylbenzene	13.696	91	348484	47.924	ug/l	99
90) Hexachloroethane	13.958	117	67620	45.397	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	164526	44.992	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10654	39.765	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	81417	40.568	ug/l	99
94) Hexachlorobutadiene	15.111	225	44906	41.054	ug/l	99
95) Naphthalene	15.239	128	161858	40.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	70083	40.186	ug/l	99

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

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