

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009080.D
 Acq On : 25 May 2022 11:01
 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 05/26/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 26 04:26:01 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	104072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	168748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45405	42.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.780%		
35) Dibromofluoromethane	7.716	113	46993	44.665	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.320%		
50) Toluene-d8	10.179	98	160754	41.416	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	82.840%		
62) 4-Bromofluorobenzene	12.483	95	81519	52.064	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52493	55.148	ug/l	98
3) Chloromethane	2.113	50	79718	58.459	ug/l	96
4) Vinyl Chloride	2.253	62	114992	56.918	ug/l	98
5) Bromomethane	2.644	94	91029	45.965	ug/l	98
6) Chloroethane	2.790	64	78159	54.608	ug/l	99
7) Trichlorofluoromethane	3.125	101	91175	53.142	ug/l	92
8) Diethyl Ether	3.534	74	27386	51.048	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	57288	54.329	ug/l	95
10) Methyl Iodide	4.088	142	62776	57.654	ug/l	93
11) Tert butyl alcohol	4.954	59	25001	230.119	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	52166	53.292	ug/l	85
13) Acrolein	3.729	56	4061	113.560	ug/l	95
14) Allyl chloride	4.473	41	78312	53.086	ug/l #	86
15) Acrylonitrile	5.161	53	79125	263.418	ug/l	98
16) Acetone	3.942	43	61959	277.899	ug/l	95
17) Carbon Disulfide	4.192	76	169164	52.897	ug/l	100
18) Methyl Acetate	4.479	43	36224	52.175	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	153254	52.161	ug/l	94
20) Methylene Chloride	4.716	84	63053	50.742	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	64805	51.579	ug/l	85
22) Diisopropyl ether	6.119	45	193193	54.511	ug/l #	95
23) Vinyl Acetate	6.058	43	641622	273.688	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	112933	53.276	ug/l	98
25) 2-Butanone	6.984	43	107705	270.464	ug/l #	82
26) 2,2-Dichloropropane	6.984	77	108232	55.427	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	74210	52.396	ug/l	89
28) Bromochloromethane	7.332	49	37086	50.971	ug/l	94
29) Tetrahydrofuran	7.344	42	72247	267.083	ug/l #	87
30) Chloroform	7.509	83	119336	52.152	ug/l	98
31) Cyclohexane	7.783	56	106213	50.689	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	110686	53.318	ug/l	99
36) 1,1-Dichloropropene	7.917	75	97114	54.238	ug/l	99
37) Ethyl Acetate	7.070	43	48301	52.004	ug/l	97
38) Carbon Tetrachloride	7.899	117	99589	53.169	ug/l	98
39) Methylcyclohexane	9.185	83	124573	53.900	ug/l	90
40) Benzene	8.161	78	276251	53.504	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	21251m	44.339	ug/l	
42) 1,2-Dichloroethane	8.234	62	83050	54.778	ug/l	95
43) Isopropyl Acetate	8.271	43	95731	55.432	ug/l #	93
44) Trichloroethene	8.935	130	71411	52.235	ug/l	97
45) 1,2-Dichloropropane	9.216	63	67555	54.491	ug/l	91
46) Dibromomethane	9.301	93	41895	53.145	ug/l	91
47) Bromodichloromethane	9.496	83	97501	54.119	ug/l	98
48) Methyl methacrylate	9.289	41	43497	56.405	ug/l #	86
49) 1,4-Dioxane	9.295	88	11074	1050.873	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	270683	283.205	ug/l	93
52) Toluene	10.246	92	197999	54.874	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	106942	55.898	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	112628	54.761	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	58989	53.486	ug/l	99
56) Ethyl methacrylate	10.508	69	77262	54.795	ug/l	87
57) 1,3-Dichloropropane	10.788	76	98920	54.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	162236	265.952	ug/l	96
59) 2-Hexanone	10.831	43	190824	291.602	ug/l	89
60) Dibromochloromethane	10.984	129	72484	54.217	ug/l	99
61) 1,2-Dibromoethane	11.087	107	58897	53.891	ug/l	99
64) Tetrachloroethene	10.721	164	63818	51.958	ug/l	98
65) Chlorobenzene	11.514	112	207705	53.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	78475	55.334	ug/l	97
67) Ethyl Benzene	11.593	91	393196	56.332	ug/l	98
68) m/p-Xylenes	11.703	106	331153	116.870	ug/l	92
69) o-Xylene	12.032	106	153319	58.268	ug/l	90
70) Styrene	12.044	104	271076	59.906	ug/l	95
71) Bromoform	12.209	173	52282	55.611	ug/l #	99
73) Isopropylbenzene	12.331	105	420469	49.203	ug/l	100
74) N-amyl acetate	12.142	43	106841	54.188	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	82637	46.943	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	61742m	50.308	ug/l	
77) Bromobenzene	12.611	156	92283	46.585	ug/l	97
78) n-propylbenzene	12.672	91	530473	53.729	ug/l	100
79) 2-Chlorotoluene	12.758	91	283012	49.694	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	370565	51.735	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	29572	49.456	ug/l	88
82) 4-Chlorotoluene	12.855	91	318971	52.365	ug/l	97
83) tert-Butylbenzene	13.075	119	322318	50.722	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	373228	52.490	ug/l	96
85) sec-Butylbenzene	13.251	105	518693	53.349	ug/l	99
86) p-Isopropyltoluene	13.367	119	438723	54.111	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	218325	51.666	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	218395	51.443	ug/l	98
89) n-Butylbenzene	13.697	91	403545	54.405	ug/l	99
90) Hexachloroethane	13.959	117	75839	49.914	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	188271	50.473	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12348	45.181	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	96534	47.155	ug/l	100
94) Hexachlorobutadiene	15.111	225	52058	46.657	ug/l	97
95) Naphthalene	15.239	128	193543	47.062	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	83333	46.844	ug/l	100

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

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