

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
 Data File : VY009909.D
 Acq On : 09 Aug 2022 10:29
 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 08/10/2022
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 09 12:05:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 08 17:55:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	64958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	103785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	100493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	51302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	23127	44.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.780%		
35) Dibromofluoromethane	7.709	113	26736	47.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.920%		
50) Toluene-d8	10.178	98	83712	48.904	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.477	95	40165	51.058	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	24650	44.481	ug/l	99
3) Chloromethane	2.107	50	33927	49.234	ug/l	98
4) Vinyl Chloride	2.241	62	36103	50.357	ug/l	99
5) Bromomethane	2.643	94	25036	51.325	ug/l	99
6) Chloroethane	2.783	64	22510	51.934	ug/l	99
7) Trichlorofluoromethane	3.113	101	54168	46.572	ug/l	99
8) Diethyl Ether	3.521	74	18912	46.689	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	31996	47.973	ug/l	96
10) Methyl Iodide	4.076	142	37200	48.582	ug/l	98
11) Tert butyl alcohol	4.948	59	13240	179.786	ug/l #	94
12) 1,1-Dichloroethene	3.856	96	29587	47.908	ug/l	97
13) Acrolein	3.710	56	1003	124.770	ug/l	97
14) Allyl chloride	4.460	41	53183	46.214	ug/l	99
15) Acrylonitrile	5.149	53	50362	232.111	ug/l	99
16) Acetone	3.936	43	47644	260.016	ug/l	94
17) Carbon Disulfide	4.179	76	98258	49.905	ug/l	97
18) Methyl Acetate	4.466	43	24855	44.804	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	81168	47.099	ug/l	100
20) Methylene Chloride	4.698	84	40881	46.177	ug/l	95
21) trans-1,2-Dichloroethene	5.204	96	35897	50.743	ug/l	96
22) Diisopropyl ether	6.106	45	117992	48.791	ug/l	97
23) Vinyl Acetate	6.045	43	372084	245.703	ug/l	96
24) 1,1-Dichloroethane	6.002	63	62675	47.957	ug/l	98
25) 2-Butanone	6.978	43	69946	231.802	ug/l	96
26) 2,2-Dichloropropane	6.966	77	51939	45.775	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	39337	48.998	ug/l	99
28) Bromochloromethane	7.319	49	21889	48.078	ug/l	92
29) Tetrahydrofuran	7.337	42	45490	230.955	ug/l	96
30) Chloroform	7.496	83	62599	47.647	ug/l	100
31) Cyclohexane	7.770	56	59274	47.004	ug/l	93
32) 1,1,1-Trichloroethane	7.691	97	54046	48.764	ug/l	97
36) 1,1-Dichloropropene	7.910	75	49125	51.675	ug/l	99
37) Ethyl Acetate	7.063	43	29144	46.206	ug/l	100
38) Carbon Tetrachloride	7.892	117	48750	51.668	ug/l	100
39) Methylcyclohexane	9.179	83	59493	53.076	ug/l	95
40) Benzene	8.148	78	148638	52.161	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	13850m	40.202	ug/l	
42) 1,2-Dichloroethane	8.227	62	39265	49.662	ug/l	98
43) Isopropyl Acetate	8.264	43	53042	47.241	ug/l	98
44) Trichloroethene	8.935	130	37834	51.250	ug/l	99
45) 1,2-Dichloropropane	9.209	63	37897	51.262	ug/l	95
46) Dibromomethane	9.300	93	21384	51.744	ug/l	95
47) Bromodichloromethane	9.489	83	48025	50.643	ug/l	100
48) Methyl methacrylate	9.288	41	23319	46.689	ug/l	97
49) 1,4-Dioxane	9.288	88	4049	853.555	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	152473	245.713	ug/l	98
52) Toluene	10.239	92	95473	54.132	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	50995	51.287	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	58216	51.319	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	29861	50.055	ug/l	97
56) Ethyl methacrylate	10.508	69	39729	51.510	ug/l	91
57) 1,3-Dichloropropane	10.788	76	51189	51.159	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	87898	246.333	ug/l	97
59) 2-Hexanone	10.831	43	111360	262.913	ug/l	97
60) Dibromochloromethane	10.983	129	35159	51.193	ug/l	100
61) 1,2-Dibromoethane	11.087	107	28700	50.599	ug/l	99
64) Tetrachloroethene	10.715	164	36585	49.702	ug/l	97
65) Chlorobenzene	11.514	112	101312	50.779	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	36670	50.846	ug/l	98
67) Ethyl Benzene	11.593	91	176855	51.181	ug/l	98
68) m/p-Xylenes	11.702	106	138913	105.072	ug/l	98
69) o-Xylene	12.026	106	64038	51.602	ug/l	96
70) Styrene	12.044	104	113461	53.308	ug/l	99
71) Bromoform	12.209	173	21933	49.238	ug/l #	100
73) Isopropylbenzene	12.330	105	171222	50.012	ug/l	100
74) N-amyl acetate	12.141	43	51979	46.792	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	36980	47.114	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	26153m	46.594	ug/l	
77) Bromobenzene	12.605	156	40286	48.728	ug/l	91
78) n-propylbenzene	12.672	91	222002	51.047	ug/l	97
79) 2-Chlorotoluene	12.757	91	120937	49.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	146971	51.270	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	13096	47.172	ug/l	96
82) 4-Chlorotoluene	12.855	91	128167	49.947	ug/l	98
83) tert-Butylbenzene	13.074	119	125361	50.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	147190	51.980	ug/l	99
85) sec-Butylbenzene	13.251	105	196715	51.702	ug/l	98
86) p-Isopropyltoluene	13.367	119	160876	52.231	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	81384	49.218	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	84093	49.996	ug/l	99
89) n-Butylbenzene	13.696	91	158708	52.749	ug/l	98
90) Hexachloroethane	13.958	117	32024	49.899	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	74784	49.619	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	5502	43.825	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	41980	49.140	ug/l	99
94) Hexachlorobutadiene	15.110	225	23368	48.160	ug/l	98
95) Naphthalene	15.238	128	90133	50.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	38102	50.131	ug/l	98

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

