

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008493.D
 Acq On : 26 Apr 2022 10:18
 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 04/27/2022
 Supervised By :Mahesh Dadoda 04/27/2022

Quant Time: Apr 26 16:26:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	95596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	161235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	153904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57515	51.133	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.260%			
35) Dibromofluoromethane	7.716	113	55347	53.189	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.380%			
50) Toluene-d8	10.179	98	207419	50.017	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.483	95	72638	51.840	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	38314	44.135	ug/l	99
3) Chloromethane	2.113	50	72144	52.813	ug/l	93
4) Vinyl Chloride	2.253	62	97861	55.133	ug/l	96
5) Bromomethane	2.650	94	83114	50.359	ug/l	92
6) Chloroethane	2.796	64	64921	54.978	ug/l	98
7) Trichlorofluoromethane	3.131	101	89969	48.929	ug/l	97
8) Diethyl Ether	3.527	74	29929	47.292	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.899	101	54164	49.484	ug/l	93
10) Methyl Iodide	4.094	142	62567	43.608	ug/l	92
11) Tert butyl alcohol	4.954	59	24416	210.474	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	49897	48.285	ug/l	82
13) Acrolein	3.735	56	22949	191.634	ug/l	96
14) Allyl chloride	4.479	41	67499	50.043	ug/l #	87
15) Acrylonitrile	5.161	53	74934	231.579	ug/l	99
16) Acetone	3.942	43	63263	241.472	ug/l	94
17) Carbon Disulfide	4.198	76	148032	47.382	ug/l	99
18) Methyl Acetate	4.479	43	32391	44.085	ug/l #	84
19) Methyl tert-butyl Ether	5.222	73	155969	47.700	ug/l	94
20) Methylene Chloride	4.710	84	63523	46.146	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	61279	48.612	ug/l	84
22) Diisopropyl ether	6.118	45	163979	50.342	ug/l #	91
23) Vinyl Acetate	6.057	43	566984	253.892	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	101976	50.295	ug/l	98
25) 2-Butanone	6.984	43	99465	245.402	ug/l #	82
26) 2,2-Dichloropropane	6.984	77	95951	51.095	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	73056	50.667	ug/l	82
28) Bromochloromethane	7.332	49	38894	47.556	ug/l #	75
29) Tetrahydrofuran	7.344	42	61845	236.903	ug/l #	75
30) Chloroform	7.508	83	113288	50.859	ug/l	99
31) Cyclohexane	7.783	56	89284	48.284	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	101085	51.826	ug/l	96
36) 1,1-Dichloropropene	7.917	75	87060	52.597	ug/l	98
37) Ethyl Acetate	7.076	43	45031	49.192	ug/l #	95
38) Carbon Tetrachloride	7.899	117	91970	53.478	ug/l	98
39) Methylcyclohexane	9.185	83	111790	52.747	ug/l #	86
40) Benzene	8.161	78	251163	52.011	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	22689m	51.110	ug/l	
42) 1,2-Dichloroethane	8.234	62	75710	52.075	ug/l	91
43) Isopropyl Acetate	8.271	43	86028	51.099	ug/l #	87
44) Trichloroethene	8.935	130	69060	51.909	ug/l	98
45) 1,2-Dichloropropane	9.215	63	61044	52.641	ug/l	93
46) Dibromomethane	9.307	93	41252	50.775	ug/l	94
47) Bromodichloromethane	9.496	83	90874	52.692	ug/l	98
48) Methyl methacrylate	9.289	41	37390	52.233	ug/l #	78
49) 1,4-Dioxane	9.295	88	10399	1015.049	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	227519	256.896	ug/l #	86
52) Toluene	10.246	92	167227	52.364	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	98672	53.351	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	104820	51.143	ug/l #	85
55) 1,1,2-Trichloroethane	10.648	97	57517	51.870	ug/l	99
56) Ethyl methacrylate	10.508	69	75868	52.989	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	93546	51.679	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	199556	254.316	ug/l	91
59) 2-Hexanone	10.831	43	159829	262.246	ug/l	83
60) Dibromochloromethane	10.983	129	67993	53.370	ug/l	99
61) 1,2-Dibromoethane	11.087	107	56403	51.428	ug/l	100
64) Tetrachloroethene	10.721	164	61209	53.630	ug/l	95
65) Chlorobenzene	11.520	112	184647	53.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	68595	53.390	ug/l	97
67) Ethyl Benzene	11.593	91	324338	53.703	ug/l	99
68) m/p-Xylenes	11.703	106	262587	108.545	ug/l	91
69) o-Xylene	12.032	106	125982	54.093	ug/l	90
70) Styrene	12.044	104	215458	54.896	ug/l	93
71) Bromoform	12.209	173	43427	53.935	ug/l #	97
73) Isopropylbenzene	12.331	105	322973	54.176	ug/l	100
74) N-amyl acetate	12.148	43	79724	54.123	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.587	83	70501	52.928	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	44696m	43.924	ug/l	
77) Bromobenzene	12.611	156	75430	51.881	ug/l	95
78) n-propylbenzene	12.672	91	395435	55.300	ug/l	99
79) 2-Chlorotoluene	12.758	91	214337	53.257	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	270985	54.763	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	23381	53.304	ug/l	85
82) 4-Chlorotoluene	12.855	91	228544	54.800	ug/l	97
83) tert-Butylbenzene	13.075	119	235971	54.933	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	272606	55.523	ug/l	97
85) sec-Butylbenzene	13.257	105	366663	56.559	ug/l	100
86) p-Isopropyltoluene	13.373	119	304086	56.009	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	155957	53.579	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	153249	53.148	ug/l	99
89) n-Butylbenzene	13.696	91	281853	57.198	ug/l	99
90) Hexachloroethane	13.965	117	56764	58.155	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	138591	53.547	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10190	50.905	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	76666	53.215	ug/l	99
94) Hexachlorobutadiene	15.111	225	38799	55.195	ug/l	97
95) Naphthalene	15.239	128	170307	52.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	66325	52.597	ug/l	98

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

