

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008361.D
 Acq On : 15 Apr 2022 19:09
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 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 05:00:59 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	127815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	225992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54578	45.459	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.920%		
35) Dibromofluoromethane	7.716	113	58595	44.890	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.780%		
50) Toluene-d8	10.179	98	202704	45.384	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.760%		
62) 4-Bromofluorobenzene	12.483	95	72446	43.124	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45743	43.215	ug/l	98
3) Chloromethane	2.113	50	63580	53.439	ug/l	94
4) Vinyl Chloride	2.247	62	90079	49.470	ug/l	100
5) Bromomethane	2.650	94	81225	58.175	ug/l	95
6) Chloroethane	2.796	64	64325	50.437	ug/l	100
7) Trichlorofluoromethane	3.125	101	106026	48.935	ug/l	94
8) Diethyl Ether	3.528	74	37924	48.433	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	66330	47.129	ug/l	94
10) Methyl Iodide	4.088	142	67756	43.410	ug/l	90
11) Tert butyl alcohol	4.948	59	36400	283.592	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	60926	48.328	ug/l #	80
13) Acrolein	3.723	56	19721	195.134	ug/l	99
14) Allyl chloride	4.479	41	82866	50.365	ug/l #	89
15) Acrylonitrile	5.161	53	100691	262.917	ug/l	98
16) Acetone	3.942	43	69596	241.007	ug/l #	87
17) Carbon Disulfide	4.192	76	139274	41.877	ug/l	99
18) Methyl Acetate	4.472	43	42342	62.159	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	206170	52.993	ug/l	94
20) Methylene Chloride	4.716	84	85995	57.537	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	73408	48.600	ug/l #	82
22) Diisopropyl ether	6.119	45	208203	53.637	ug/l #	90
23) Vinyl Acetate	6.058	43	692229	275.221	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	135021	54.189	ug/l	99
25) 2-Butanone	6.984	43	123540	273.596	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	122876	53.550	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	93381	52.106	ug/l	81
28) Bromochloromethane	7.332	49	52745	55.227	ug/l #	71
29) Tetrahydrofuran	7.344	42	80651	276.647	ug/l #	74
30) Chloroform	7.502	83	149704	53.807	ug/l	100
31) Cyclohexane	7.783	56	98637	45.433	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	131882	54.187	ug/l	95
36) 1,1-Dichloropropene	7.917	75	102340	49.099	ug/l	96
37) Ethyl Acetate	7.070	43	55695	51.821	ug/l #	90
38) Carbon Tetrachloride	7.899	117	114988	51.279	ug/l	98
39) Methylcyclohexane	9.185	83	121994	45.489	ug/l #	86
40) Benzene	8.161	78	313716	50.543	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	29738m	49.460	ug/l	
42) 1,2-Dichloroethane	8.240	62	90970	50.518	ug/l	90
43) Isopropyl Acetate	8.271	43	107452	53.870	ug/l #	86
44) Trichloroethene	8.935	130	87212	49.302	ug/l	98
45) 1,2-Dichloropropane	9.216	63	77895	51.373	ug/l	95
46) Dibromomethane	9.307	93	51813	51.629	ug/l	95
47) Bromodichloromethane	9.496	83	117397	52.016	ug/l	99
48) Methyl methacrylate	9.289	41	44622	52.624	ug/l #	71
49) 1,4-Dioxane	9.295	88	13440	1037.769	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	291649	283.164	ug/l #	84
52) Toluene	10.246	92	206085	50.394	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	119335	51.882	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	134394	51.791	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	72157	50.405	ug/l	98
56) Ethyl methacrylate	10.508	69	94625	53.914	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	117733	51.214	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	148230	214.409	ug/l	90
59) 2-Hexanone	10.831	43	199615	281.659	ug/l	80
60) Dibromochloromethane	10.983	129	85776	51.295	ug/l	100
61) 1,2-Dibromoethane	11.087	107	69922	49.958	ug/l	100
64) Tetrachloroethene	10.721	164	70376	50.062	ug/l	98
65) Chlorobenzene	11.514	112	227197	52.526	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	88277	54.692	ug/l	96
67) Ethyl Benzene	11.593	91	399064	54.252	ug/l	96
68) m/p-Xylenes	11.703	106	318154	108.755	ug/l	92
69) o-Xylene	12.032	106	155450	54.757	ug/l	90
70) Styrene	12.044	104	267349	57.102	ug/l	94
71) Bromoform	12.209	173	53460	54.947	ug/l #	98
73) Isopropylbenzene	12.331	105	403645	55.367	ug/l	100
74) N-amyl acetate	12.142	43	95952	60.622	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	90123	58.422	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	63582m	58.629	ug/l	
77) Bromobenzene	12.611	156	93324	52.239	ug/l	94
78) n-propylbenzene	12.672	91	469351	54.559	ug/l	98
79) 2-Chlorotoluene	12.758	91	264132	54.710	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	327057	54.710	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	29298	60.446	ug/l #	82
82) 4-Chlorotoluene	12.855	91	276249	55.680	ug/l	96
83) tert-Butylbenzene	13.075	119	296888	55.359	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	331482	56.031	ug/l	97
85) sec-Butylbenzene	13.251	105	440145	55.359	ug/l	100
86) p-Isopropyltoluene	13.373	119	364357	54.916	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	191800	54.209	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	183968	52.536	ug/l	99
89) n-Butylbenzene	13.696	91	318249	53.090	ug/l	99
90) Hexachloroethane	13.959	117	67690	54.585	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	166915	53.026	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12725	57.655	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	84878	45.589	ug/l	99
94) Hexachlorobutadiene	15.111	225	43327	45.839	ug/l	98
95) Naphthalene	15.239	128	202713	50.829	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	74987	46.025	ug/l	99

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

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