

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008321.D
 Acq On : 13 Apr 2022 18:33
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 14 05:58:52 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	122667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	213805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	201218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	101732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46737	40.562	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.120%		
35) Dibromofluoromethane	7.716	113	44597	36.114	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	72.220%		
50) Toluene-d8	10.179	98	141964	33.596	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	67.200%		
62) 4-Bromofluorobenzene	12.483	95	57020	35.876	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	71.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	38582	37.980	ug/l	99
3) Chloromethane	2.113	50	52629	45.227	ug/l	92
4) Vinyl Chloride	2.247	62	72351	41.402	ug/l	99
5) Bromomethane	2.643	94	69427	51.265	ug/l	93
6) Chloroethane	2.790	64	52812	43.148	ug/l	99
7) Trichlorofluoromethane	3.125	101	85444	41.091	ug/l	90
8) Diethyl Ether	3.527	74	33602	44.714	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.893	101	55976	41.442	ug/l	91
10) Methyl Iodide	4.088	142	58641	39.382	ug/l	91
11) Tert butyl alcohol	4.954	59	39921	324.077	ug/l	96
12) 1,1-Dichloroethene	3.869	96	49445	40.867	ug/l #	79
13) Acrolein	3.729	56	21501	221.675	ug/l	98
14) Allyl chloride	4.472	41	69228	43.842	ug/l #	92
15) Acrylonitrile	5.161	53	97934	266.450	ug/l	98
16) Acetone	3.948	43	70373	253.925	ug/l #	84
17) Carbon Disulfide	4.192	76	115991	36.340	ug/l	100
18) Methyl Acetate	4.478	43	39643	60.463	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	185242	49.612	ug/l	95
20) Methylene Chloride	4.710	84	73561	50.285	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	60375	41.649	ug/l #	80
22) Diisopropyl ether	6.112	45	177086	47.535	ug/l #	93
23) Vinyl Acetate	6.057	43	626575	259.573	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	108022	45.172	ug/l	97
25) 2-Butanone	6.984	43	119875	276.620	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	97412	44.234	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	77208	44.890	ug/l	81
28) Bromochloromethane	7.332	49	51581	56.275	ug/l #	70
29) Tetrahydrofuran	7.344	42	78432	280.326	ug/l #	72
30) Chloroform	7.502	83	122683	45.945	ug/l	99
31) Cyclohexane	7.783	56	83997	40.313	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	103797	44.437	ug/l	95
36) 1,1-Dichloropropene	7.917	75	83828	42.510	ug/l	97
37) Ethyl Acetate	7.069	43	54545	53.644	ug/l #	92
38) Carbon Tetrachloride	7.899	117	90343	42.585	ug/l	98
39) Methylcyclohexane	9.179	83	106403	41.937	ug/l #	83
40) Benzene	8.155	78	257175	43.796	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	29526m	51.906	ug/l	
42) 1,2-Dichloroethane	8.234	62	81152	47.635	ug/l	89
43) Isopropyl Acetate	8.270	43	100485	53.249	ug/l #	85
44) Trichloroethene	8.935	130	71898	42.962	ug/l	97
45) 1,2-Dichloropropane	9.215	63	65948	45.973	ug/l	94
46) Dibromomethane	9.301	93	46419	48.891	ug/l	94
47) Bromodichloromethane	9.496	83	99459	46.580	ug/l	98
48) Methyl methacrylate	9.289	41	42147	52.539	ug/l #	70
49) 1,4-Dioxane	9.295	88	15225	1242.608	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	275358	282.586	ug/l #	83
52) Toluene	10.240	92	171215	44.254	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	105515	48.489	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	113187	46.105	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	66442	49.058	ug/l	99
56) Ethyl methacrylate	10.508	69	89604	53.963	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	106181	48.822	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	178596	273.057	ug/l #	89
59) 2-Hexanone	10.831	43	192316	286.827	ug/l	78
60) Dibromochloromethane	10.983	129	77458	48.961	ug/l	98
61) 1,2-Dibromoethane	11.087	107	65173	49.219	ug/l	99
64) Tetrachloroethene	10.715	164	59769	42.144	ug/l	93
65) Chlorobenzene	11.514	112	195345	44.766	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	75525	46.381	ug/l	97
67) Ethyl Benzene	11.593	91	332283	44.777	ug/l	98
68) m/p-Xylenes	11.703	106	265362	89.914	ug/l	91
69) o-Xylene	12.026	106	129504	45.218	ug/l	91
70) Styrene	12.044	104	224653	47.562	ug/l	93
71) Bromoform	12.209	173	48858	49.777	ug/l #	100
73) Isopropylbenzene	12.331	105	334834	44.269	ug/l	99
74) N-amyl acetate	12.142	43	88577	53.941	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	84107	52.553	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	58617m	52.098	ug/l	
77) Bromobenzene	12.605	156	80964	43.683	ug/l	96
78) n-propylbenzene	12.672	91	396834	44.463	ug/l	98
79) 2-Chlorotoluene	12.757	91	225020	44.925	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	280649	45.251	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	26674	53.045	ug/l #	83
82) 4-Chlorotoluene	12.855	91	236185	45.885	ug/l	96
83) tert-Butylbenzene	13.074	119	253944	45.641	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	280238	45.658	ug/l	97
85) sec-Butylbenzene	13.251	105	375264	45.493	ug/l	100
86) p-Isopropyltoluene	13.367	119	313893	45.601	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	163005	44.407	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	161568	44.472	ug/l	99
89) n-Butylbenzene	13.696	91	280948	45.175	ug/l	99
90) Hexachloroethane	13.958	117	57794	44.922	ug/l	80
91) 1,2-Dichlorobenzene	13.739	146	150390	46.050	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12465	54.436	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	81275	42.077	ug/l	99
94) Hexachlorobutadiene	15.111	225	39341	40.118	ug/l	98
95) Naphthalene	15.233	128	201953	48.810	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	72762	43.046	ug/l	98

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

