

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022522\
 Data File : VY007652.D
 Acq On : 25 Feb 2022 21:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 28 00:00:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	62388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	93206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	87859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	43910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	30894	44.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.020%		
35) Dibromofluoromethane	7.716	113	28264	48.058	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.120%		
50) Toluene-d8	10.179	98	97560	45.227	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.460%		
62) 4-Bromofluorobenzene	12.477	95	33733	45.362	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36699	47.562	ug/l	100
3) Chloromethane	2.107	50	40622	53.209	ug/l	97
4) Vinyl Chloride	2.253	62	47434	51.826	ug/l	94
5) Bromomethane	2.649	94	34293	62.226	ug/l	100
6) Chloroethane	2.790	64	31854	54.704	ug/l	97
7) Trichlorofluoromethane	3.125	101	90029	50.994	ug/l	92
8) Diethyl Ether	3.527	74	20215	44.875	ug/l	53
9) 1,1,2-Trichlorotrifluo...	3.905	101	35464	46.756	ug/l	98
10) Methyl Iodide	4.088	142	49373	53.335	ug/l	94
11) Tert butyl alcohol	4.960	59	14858	212.555	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	32306	45.842	ug/l #	80
13) Acrolein	3.729	56	11175	125.106	ug/l	97
14) Allyl chloride	4.478	41	28977	44.478	ug/l #	51
15) Acrylonitrile	5.161	53	32913	211.855	ug/l	97
16) Acetone	3.948	43	32979	208.645	ug/l	95
17) Carbon Disulfide	4.198	76	74510	42.544	ug/l	98
18) Methyl Acetate	4.484	43	13499	39.922	ug/l #	61
19) Methyl tert-butyl Ether	5.222	73	92734	48.962	ug/l #	90
20) Methylene Chloride	4.722	84	34708	46.001	ug/l #	69
21) trans-1,2-Dichloroethene	5.216	96	33251	47.292	ug/l #	78
22) Diisopropyl ether	6.118	45	58919	43.040	ug/l #	62
23) Vinyl Acetate	6.057	43	232155	235.072	ug/l #	76
24) 1,1-Dichloroethane	6.015	63	48057	45.970	ug/l #	92
25) 2-Butanone	6.990	43	37104	207.051	ug/l #	62
26) 2,2-Dichloropropane	6.984	77	56376	48.028	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	36948	45.274	ug/l	81
28) Bromochloromethane	7.338	49	15244	42.776	ug/l #	42
29) Tetrahydrofuran	7.350	42	21370	204.901	ug/l #	48
30) Chloroform	7.508	83	65897	49.240	ug/l	93
31) Cyclohexane	7.789	56	32912	44.631	ug/l #	72
32) 1,1,1-Trichloroethane	7.703	97	68297	51.314	ug/l	96
36) 1,1-Dichloropropene	7.917	75	39232	46.291	ug/l	93
37) Ethyl Acetate	7.075	43	18683	48.967	ug/l #	93
38) Carbon Tetrachloride	7.899	117	66085	53.248	ug/l	98
39) Methylcyclohexane	9.179	83	46294	47.790	ug/l #	81
40) Benzene	8.161	78	110549	45.718	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	9748m	46.326	ug/l	
42) 1,2-Dichloroethane	8.234	62	44705	50.472	ug/l	97
43) Isopropyl Acetate	8.270	43	36568	46.922	ug/l #	84
44) Trichloroethene	8.935	130	39989	48.737	ug/l	98
45) 1,2-Dichloropropane	9.215	63	22712	44.135	ug/l	93
46) Dibromomethane	9.307	93	22770	51.602	ug/l	98
47) Bromodichloromethane	9.496	83	51138	51.457	ug/l #	93
48) Methyl methacrylate	9.289	41	15426	46.937	ug/l #	45
49) 1,4-Dioxane	9.301	88	5392	960.388	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	98274	250.555	ug/l	92
52) Toluene	10.240	92	79247	48.048	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	47401	47.534	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	49532	47.045	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	26462	46.560	ug/l	89
56) Ethyl methacrylate	10.508	69	31892	47.611	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	40392	46.320	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	66668	204.530	ug/l #	73
59) 2-Hexanone	10.831	43	67152	240.233	ug/l	93
60) Dibromochloromethane	10.983	129	40786	53.057	ug/l	99
61) 1,2-Dibromoethane	11.087	107	27012	47.232	ug/l	98
64) Tetrachloroethene	10.715	164	37787	56.116	ug/l	95
65) Chlorobenzene	11.514	112	94730	49.465	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	38815	51.154	ug/l	98
67) Ethyl Benzene	11.593	91	161630	50.323	ug/l	99
68) m/p-Xylenes	11.703	106	123402	98.106	ug/l	98
69) o-Xylene	12.026	106	61544	49.749	ug/l	96
70) Styrene	12.044	104	102044	49.311	ug/l	99
71) Bromoform	12.209	173	25945	51.620	ug/l #	95
73) Isopropylbenzene	12.331	105	164001	48.488	ug/l	97
74) N-amyl acetate	12.142	43	34185	51.899	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	29074	47.407	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	20919m	47.634	ug/l	
77) Bromobenzene	12.611	156	41882	47.501	ug/l	80
78) n-propylbenzene	12.672	91	191858	49.114	ug/l	97
79) 2-Chlorotoluene	12.757	91	104577	48.088	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	143485	49.867	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	8749	42.835	ug/l #	84
82) 4-Chlorotoluene	12.855	91	107953	48.677	ug/l	93
83) tert-Butylbenzene	13.074	119	128704	50.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	144420	51.209	ug/l	100
85) sec-Butylbenzene	13.251	105	177349	48.811	ug/l	97
86) p-Isopropyltoluene	13.367	119	156566	50.143	ug/l	95
87) 1,3-Dichlorobenzene	13.361	146	81536	49.781	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	82677	51.559	ug/l	98
89) n-Butylbenzene	13.696	91	136856	48.680	ug/l	96
90) Hexachloroethane	13.958	117	33068	52.541	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	73594	49.462	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6246	50.636	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	52102	50.220	ug/l	98
94) Hexachlorobutadiene	15.111	225	28525	49.554	ug/l	98
95) Naphthalene	15.233	128	114420	51.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45574	50.847	ug/l	98

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

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