

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008993.D
 Acq On : 22 May 2022 09:40
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 23 02:29:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	114051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	210662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	53605	45.668	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.340%		
35) Dibromofluoromethane	7.716	113	57251	44.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.820%		
50) Toluene-d8	10.179	98	191429	40.704	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.400%		
62) 4-Bromofluorobenzene	12.477	95	98946	52.156	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	55926	53.614	ug/l	100
3) Chloromethane	2.107	50	95635	63.995	ug/l	96
4) Vinyl Chloride	2.247	62	132468	59.831	ug/l	98
5) Bromomethane	2.638	94	112941	52.040	ug/l	99
6) Chloroethane	2.790	64	95394	60.818	ug/l	98
7) Trichlorofluoromethane	3.119	101	98613	52.448	ug/l	95
8) Diethyl Ether	3.521	74	34000	57.831	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	58703	50.800	ug/l	95
10) Methyl Iodide	4.088	142	68019	57.003	ug/l	94
11) Tert butyl alcohol	4.948	59	30870	259.279	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	57583	53.679	ug/l	84
13) Acrolein	3.729	56	5139	131.131	ug/l	98
14) Allyl chloride	4.473	41	88633	54.825	ug/l #	90
15) Acrylonitrile	5.155	53	96371	292.761	ug/l	98
16) Acetone	3.942	43	70877	290.083	ug/l	92
17) Carbon Disulfide	4.186	76	192228	54.850	ug/l	98
18) Methyl Acetate	4.473	43	58014	76.249	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	186023	57.774	ug/l	94
20) Methylene Chloride	4.710	84	73312	54.422	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	74661	54.224	ug/l	86
22) Diisopropyl ether	6.112	45	228443	58.818	ug/l #	96
23) Vinyl Acetate	6.058	43	725262	282.297	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	131801	56.736	ug/l	99
25) 2-Butanone	6.984	43	130950	300.064	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	83909	39.211	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	85853	55.313	ug/l	86
28) Bromochloromethane	7.332	49	46615	58.462	ug/l #	93
29) Tetrahydrofuran	7.344	42	90377	304.873	ug/l #	86
30) Chloroform	7.502	83	140837	56.164	ug/l	98
31) Cyclohexane	7.777	56	114214	49.738	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	124242	54.611	ug/l	99
36) 1,1-Dichloropropene	7.917	75	108066	49.812	ug/l	98
37) Ethyl Acetate	7.070	43	59039	52.462	ug/l	97
38) Carbon Tetrachloride	7.893	117	110169	48.544	ug/l	95
39) Methylcyclohexane	9.179	83	131885	47.097	ug/l	88
40) Benzene	8.155	78	331487	52.988	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	33761m	58.136	ug/l	
42) 1,2-Dichloroethane	8.234	62	99013	53.900	ug/l	93
43) Isopropyl Acetate	8.271	43	117046	55.936	ug/l #	90
44) Trichloroethene	8.935	130	83722	50.543	ug/l	99
45) 1,2-Dichloropropane	9.216	63	81069	53.969	ug/l	95
46) Dibromomethane	9.301	93	51158	53.561	ug/l	93
47) Bromodichloromethane	9.496	83	115619	52.966	ug/l	99
48) Methyl methacrylate	9.289	41	53632	57.400	ug/l #	85
49) 1,4-Dioxane	9.295	88	13179	1032.181	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	338508	292.306	ug/l	92
52) Toluene	10.240	92	236711	54.144	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	118571	51.151	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	122543	49.175	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	72727	54.425	ug/l	99
56) Ethyl methacrylate	10.508	69	99084	57.997	ug/l	85
57) 1,3-Dichloropropane	10.788	76	121123	55.565	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	196951	266.466	ug/l	96
59) 2-Hexanone	10.831	43	234983	296.362	ug/l	88
60) Dibromochloromethane	10.984	129	87213	53.840	ug/l	100
61) 1,2-Dibromoethane	11.087	107	73396	55.428	ug/l	98
64) Tetrachloroethene	10.715	164	74952	48.882	ug/l	99
65) Chlorobenzene	11.514	112	248139	51.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	93565	52.847	ug/l	97
67) Ethyl Benzene	11.593	91	457579	52.513	ug/l	95
68) m/p-Xylenes	11.703	106	385484	108.976	ug/l	92
69) o-Xylene	12.026	106	181954	55.392	ug/l	90
70) Styrene	12.044	104	324752	57.489	ug/l	94
71) Bromoform	12.209	173	65015	55.395	ug/l #	98
73) Isopropylbenzene	12.331	105	480653	47.116	ug/l	100
74) N-amyl acetate	12.142	43	118948	50.537	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	100919	48.023	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	71175m	48.581	ug/l	
77) Bromobenzene	12.605	156	111768	47.263	ug/l	93
78) n-propylbenzene	12.672	91	599910	50.899	ug/l	99
79) 2-Chlorotoluene	12.758	91	338695	49.819	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	426691	49.902	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	28666	40.159	ug/l	89
82) 4-Chlorotoluene	12.855	91	369855	50.863	ug/l	96
83) tert-Butylbenzene	13.075	119	372124	49.054	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	440257	51.867	ug/l	97
85) sec-Butylbenzene	13.251	105	581333	50.086	ug/l	99
86) p-Isopropyltoluene	13.367	119	492687	50.903	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	254229	50.397	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	252765	49.874	ug/l	99
89) n-Butylbenzene	13.696	91	430303	48.596	ug/l	100
90) Hexachloroethane	13.959	117	87136	48.040	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	227502	51.090	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15260	46.773	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	109107	44.645	ug/l	100
94) Hexachlorobutadiene	15.111	225	57248	42.980	ug/l	98
95) Naphthalene	15.233	128	241996	49.292	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	98891	46.566	ug/l	99

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

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