

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008964.D
 Acq On : 21 May 2022 20:52
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 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 21 21:33:42 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	7.783	168	117593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	201768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	205031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	54586	45.103	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.200%		
35) Dibromofluoromethane	7.710	113	57310	45.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.360%		
50) Toluene-d8	10.173	98	193049	41.707	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	83.420%		
62) 4-Bromofluorobenzene	12.477	95	99846	53.475	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	51738	48.105	ug/l	96
3) Chloromethane	2.107	50	93078	60.408	ug/l	95
4) Vinyl Chloride	2.241	62	136281	59.699	ug/l	99
5) Bromomethane	2.638	94	112852	50.432	ug/l	93
6) Chloroethane	2.784	64	93473	57.798	ug/l	99
7) Trichlorofluoromethane	3.119	101	94572	48.784	ug/l	98
8) Diethyl Ether	3.522	74	30767	50.756	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	58261	48.899	ug/l	93
10) Methyl Iodide	4.082	142	62181	50.541	ug/l	93
11) Tert butyl alcohol	4.948	59	29585	241.002	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	53553	48.418	ug/l	84
13) Acrolein	3.723	56	6058	149.925	ug/l	89
14) Allyl chloride	4.473	41	82224	49.329	ug/l #	87
15) Acrylonitrile	5.155	53	86138	253.793	ug/l	99
16) Acetone	3.942	43	61434	243.862	ug/l #	89
17) Carbon Disulfide	4.186	76	179300	49.620	ug/l	100
18) Methyl Acetate	4.473	43	40521	51.653	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	164927	49.680	ug/l	100
20) Methylene Chloride	4.704	84	66562	46.774	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	67997	47.897	ug/l	84
22) Diisopropyl ether	6.112	45	204918	51.171	ug/l	97
23) Vinyl Acetate	6.052	43	693006	261.617	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	119183	49.759	ug/l	97
25) 2-Butanone	6.978	43	116574	259.077	ug/l	91
26) 2,2-Dichloropropane	6.978	77	92741	42.033	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	78640	49.139	ug/l	87
28) Bromochloromethane	7.326	49	42689	51.926	ug/l #	91
29) Tetrahydrofuran	7.338	42	81312	266.031	ug/l #	87
30) Chloroform	7.502	83	128311	49.627	ug/l	96
31) Cyclohexane	7.777	56	109560	46.274	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	113638	48.446	ug/l	98
36) 1,1-Dichloropropene	7.911	75	102554	48.030	ug/l	99
37) Ethyl Acetate	7.064	43	54307	49.031	ug/l	97
38) Carbon Tetrachloride	7.893	117	102498	45.888	ug/l	98
39) Methylcyclohexane	9.179	83	128498	46.623	ug/l	89
40) Benzene	8.155	78	299812	48.693	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	26466m	46.305	ug/l	
42) 1,2-Dichloroethane	8.234	62	89791	49.663	ug/l	93
43) Isopropyl Acetate	8.271	43	106236	51.584	ug/l #	93
44) Trichloroethene	8.935	130	75724	46.448	ug/l	94
45) 1,2-Dichloropropane	9.210	63	74070	50.101	ug/l	96
46) Dibromomethane	9.301	93	46442	49.403	ug/l	92
47) Bromodichloromethane	9.496	83	104214	48.507	ug/l	99
48) Methyl methacrylate	9.289	41	48658	52.911	ug/l #	86
49) 1,4-Dioxane	9.295	88	12650	1006.639	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	301934	264.905	ug/l	92
52) Toluene	10.240	92	214764	49.912	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	110916	48.616	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	116741	47.598	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	63617	48.371	ug/l	98
56) Ethyl methacrylate	10.508	69	87970	52.317	ug/l	86
57) 1,3-Dichloropropane	10.788	76	106928	49.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	189832	260.953	ug/l	96
59) 2-Hexanone	10.825	43	213616	273.734	ug/l	90
60) Dibromochloromethane	10.984	129	79317	49.751	ug/l	100
61) 1,2-Dibromoethane	11.087	107	65800	50.488	ug/l	98
64) Tetrachloroethene	10.715	164	68976	46.220	ug/l	98
65) Chlorobenzene	11.514	112	225425	47.902	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	83653	48.547	ug/l	98
67) Ethyl Benzene	11.587	91	413750	48.787	ug/l	95
68) m/p-Xylenes	11.703	106	331020	96.149	ug/l	91
69) o-Xylene	12.026	106	163911	51.270	ug/l	91
70) Styrene	12.038	104	289083	52.580	ug/l	94
71) Bromoform	12.203	173	58381	51.109	ug/l #	99
73) Isopropylbenzene	12.325	105	437414	43.003	ug/l	100
74) N-amyl acetate	12.142	43	113848	48.512	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	92100	43.955	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	61544m	42.130	ug/l	
77) Bromobenzene	12.605	156	99958	42.393	ug/l	95
78) n-propylbenzene	12.666	91	556586	47.362	ug/l	99
79) 2-Chlorotoluene	12.752	91	279505	41.233	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	392524	46.040	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	29497	41.445	ug/l	85
82) 4-Chlorotoluene	12.849	91	340612	46.979	ug/l	97
83) tert-Butylbenzene	13.075	119	345390	45.663	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	404872	47.838	ug/l	98
85) sec-Butylbenzene	13.251	105	544146	47.020	ug/l	100
86) p-Isopropyltoluene	13.367	119	461637	47.835	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	234701	46.663	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	235249	46.554	ug/l	98
89) n-Butylbenzene	13.697	91	421529	47.745	ug/l	100
90) Hexachloroethane	13.959	117	81610	45.126	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	210605	47.435	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13895	42.714	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	105068	43.119	ug/l	98
94) Hexachlorobutadiene	15.111	225	56822	42.785	ug/l	98
95) Naphthalene	15.233	128	228829	46.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	93322	44.073	ug/l	100

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

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