

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030122\
 Data File : VY007662.D
 Acq On : 01 Mar 2022 12:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 02 07:48:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	420091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	644521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	568645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	280108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	198722	45.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.360%		
35) Dibromofluoromethane	7.716	113	206980	50.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.460%		
50) Toluene-d8	10.179	98	752749	49.627	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.260%		
62) 4-Bromofluorobenzene	12.483	95	239875	49.060	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	157463	57.790	ug/l	97
3) Chloromethane	2.113	50	236994	55.655	ug/l	98
4) Vinyl Chloride	2.253	62	322392	51.155	ug/l	99
5) Bromomethane	2.656	94	255331	50.128	ug/l	97
6) Chloroethane	2.796	64	231968	47.995	ug/l	98
7) Trichlorofluoromethane	3.125	101	372216	51.692	ug/l	95
8) Diethyl Ether	3.528	74	116298	50.194	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.906	101	236442	53.792	ug/l	95
10) Methyl Iodide	4.095	142	288486	53.944	ug/l	92
11) Tert butyl alcohol	4.960	59	90909	238.750	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	209087	53.598	ug/l	88
13) Acrolein	3.735	56	73597	223.550	ug/l	98
14) Allyl chloride	4.479	41	309437	52.736	ug/l #	89
15) Acrylonitrile	5.168	53	293120	239.671	ug/l	99
16) Acetone	3.948	43	203515	227.475	ug/l #	89
17) Carbon Disulfide	4.198	76	533317	57.059	ug/l	100
18) Methyl Acetate	4.479	43	120739	45.631	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	629551	51.997	ug/l	94
20) Methylene Chloride	4.716	84	241764	56.881	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	241187	52.986	ug/l	85
22) Diisopropyl ether	6.119	45	739079	52.726	ug/l #	95
23) Vinyl Acetate	6.058	43	2366535	266.970	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	450999	53.250	ug/l	99
25) 2-Butanone	6.984	43	357553	238.237	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	430238	57.082	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	288781	54.104	ug/l	89
28) Bromochloromethane	7.332	49	180800	50.196	ug/l #	86
29) Tetrahydrofuran	7.344	42	239141	232.872	ug/l #	81
30) Chloroform	7.509	83	472909	53.896	ug/l	97
31) Cyclohexane	7.783	56	383398	57.147	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	433915	55.565	ug/l	97
36) 1,1-Dichloropropene	7.917	75	356657	55.021	ug/l	98
37) Ethyl Acetate	7.076	43	174187	48.652	ug/l	98
38) Carbon Tetrachloride	7.899	117	395053	57.133	ug/l	98
39) Methylcyclohexane	9.185	83	441759	55.452	ug/l	90
40) Benzene	8.161	78	996211	55.222	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	72191m	42.195	ug/l	
42) 1,2-Dichloroethane	8.240	62	298859	53.092	ug/l	94
43) Isopropyl Acetate	8.271	43	338803	51.171	ug/l #	90
44) Trichloroethene	8.941	130	279876	55.861	ug/l	98
45) 1,2-Dichloropropane	9.216	63	256465	54.974	ug/l	96
46) Dibromomethane	9.307	93	145560	51.980	ug/l	98
47) Bromodichloromethane	9.496	83	370282	56.376	ug/l	99
48) Methyl methacrylate	9.289	41	145657	50.753	ug/l #	84
49) 1,4-Dioxane	9.295	88	32773	969.399	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	893370	252.174	ug/l	90
52) Toluene	10.246	92	652104	55.905	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	379639	56.298	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	422924	56.765	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	204563	53.696	ug/l	98
56) Ethyl methacrylate	10.508	69	271684	53.715	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	345445	53.622	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	640510	232.206	ug/l	96
59) 2-Hexanone	10.831	43	627347	262.959	ug/l	87
60) Dibromochloromethane	10.984	129	258623	57.012	ug/l	100
61) 1,2-Dibromoethane	11.087	107	193953	53.413	ug/l	99
64) Tetrachloroethene	10.721	164	238656	56.620	ug/l	96
65) Chlorobenzene	11.514	112	706052	56.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	272522	58.824	ug/l	98
67) Ethyl Benzene	11.593	91	1288171	57.658	ug/l	97
68) m/p-Xylenes	11.703	106	999030	116.541	ug/l	93
69) o-Xylene	12.026	106	475539	58.539	ug/l	92
70) Styrene	12.044	104	796604	58.566	ug/l	96
71) Bromoform	12.209	173	162912	56.475	ug/l #	99
73) Isopropylbenzene	12.331	105	1290926	59.157	ug/l	100
74) N-amyl acetate	12.142	43	314564	54.152	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	246406	53.838	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	142368m	45.512	ug/l	
77) Bromobenzene	12.605	156	288749	57.447	ug/l	93
78) n-propylbenzene	12.672	91	1554927	59.051	ug/l	99
79) 2-Chlorotoluene	12.758	91	827374	58.718	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	1023746	58.671	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	83674	54.684	ug/l	87
82) 4-Chlorotoluene	12.855	91	860146	59.347	ug/l	97
83) tert-Butylbenzene	13.075	119	950762	59.238	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	1015951	59.111	ug/l	97
85) sec-Butylbenzene	13.251	105	1423328	59.949	ug/l	100
86) p-Isopropyltoluene	13.367	119	1180860	60.219	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	589671	58.955	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	571779	57.921	ug/l	98
89) n-Butylbenzene	13.696	91	1110591	59.924	ug/l	100
90) Hexachloroethane	13.959	117	220982	59.451	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	514389	57.918	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36082	52.057	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	332338	59.106	ug/l	99
94) Hexachlorobutadiene	15.111	225	198173	59.613	ug/l	98
95) Naphthalene	15.233	128	629855	55.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	288961	57.663	ug/l	100

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

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