

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009105.D
 Acq On : 25 May 2022 21:10
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 26 04:33:14 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	87520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	148700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	147371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38825	43.103	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.200%		
35) Dibromofluoromethane	7.716	113	41833	45.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.480%		
50) Toluene-d8	10.179	98	132167	38.744	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.480%		
62) 4-Bromofluorobenzene	12.483	95	65058	47.278	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33410	41.738	ug/l	98
3) Chloromethane	2.113	50	58033	50.605	ug/l	92
4) Vinyl Chloride	2.247	62	82090	48.317	ug/l	97
5) Bromomethane	2.643	94	77142	46.320	ug/l	99
6) Chloroethane	2.790	64	58917	48.949	ug/l	100
7) Trichlorofluoromethane	3.125	101	60646	42.033	ug/l	97
8) Diethyl Ether	3.534	74	21304	47.221	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.899	101	38436	43.344	ug/l	93
10) Methyl Iodide	4.088	142	34043	37.178	ug/l	96
11) Tert butyl alcohol	4.960	59	19484	213.256	ug/l	96
12) 1,1-Dichloroethene	3.875	96	35174	42.729	ug/l #	79
13) Acrolein	3.735	56	2873	95.533	ug/l	95
14) Allyl chloride	4.478	41	54200	43.689	ug/l #	87
15) Acrylonitrile	5.155	53	59156	234.184	ug/l	97
16) Acetone	3.948	43	42095	224.512	ug/l	91
17) Carbon Disulfide	4.192	76	113922	42.360	ug/l	98
18) Methyl Acetate	4.472	43	27729	47.493	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	112077	45.360	ug/l	95
20) Methylene Chloride	4.710	84	49956	47.248	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	44204	41.836	ug/l	87
22) Diisopropyl ether	6.118	45	134507	45.130	ug/l #	95
23) Vinyl Acetate	6.057	43	456088	231.341	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	78569	44.074	ug/l	98
25) 2-Butanone	6.984	43	77723	232.087	ug/l	92
26) 2,2-Dichloropropane	6.978	77	65711	40.016	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	52001	43.659	ug/l	87
28) Bromochloromethane	7.332	49	34736	56.770	ug/l	94
29) Tetrahydrofuran	7.344	42	53142	233.609	ug/l #	87
30) Chloroform	7.502	83	84030	43.668	ug/l	99
31) Cyclohexane	7.789	56	68724	39.000	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	73585	42.150	ug/l	99
36) 1,1-Dichloropropene	7.917	75	64228	40.815	ug/l	98
37) Ethyl Acetate	7.069	43	36032	44.142	ug/l	97
38) Carbon Tetrachloride	7.899	117	66095	40.151	ug/l	95
39) Methylcyclohexane	9.179	83	78360	38.578	ug/l #	86
40) Benzene	8.161	78	191025	42.097	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19126m	45.406	ug/l	
42) 1,2-Dichloroethane	8.234	62	58614	43.989	ug/l	95
43) Isopropyl Acetate	8.270	43	68373	45.048	ug/l	93
44) Trichloroethene	8.935	130	48899	40.698	ug/l	99
45) 1,2-Dichloropropane	9.209	63	48867	44.850	ug/l	97
46) Dibromomethane	9.301	93	31006	44.754	ug/l	93
47) Bromodichloromethane	9.496	83	69303	43.769	ug/l	97
48) Methyl methacrylate	9.289	41	32039	47.273	ug/l	89
49) 1,4-Dioxane	9.295	88	8249	890.689	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	197949	235.653	ug/l	94
52) Toluene	10.240	92	130171	41.049	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	73024	43.430	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	78008	43.156	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	42467	43.813	ug/l	99
56) Ethyl methacrylate	10.508	69	55018	44.397	ug/l	88
57) 1,3-Dichloropropane	10.788	76	70802	44.779	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	139655	260.490	ug/l	98
59) 2-Hexanone	10.831	43	139209	242.049	ug/l	92
60) Dibromochloromethane	10.983	129	49964	42.524	ug/l	98
61) 1,2-Dibromoethane	11.087	107	41117	42.808	ug/l	99
64) Tetrachloroethene	10.715	164	41619	38.800	ug/l	96
65) Chlorobenzene	11.514	112	138924	41.071	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	52630	42.493	ug/l	96
67) Ethyl Benzene	11.593	91	258322	42.377	ug/l	100
68) m/p-Xylenes	11.703	106	215561	87.110	ug/l	91
69) o-Xylene	12.026	106	98457	42.846	ug/l	94
70) Styrene	12.044	104	178765	45.236	ug/l	93
71) Bromoform	12.209	173	34767	42.345	ug/l #	99
73) Isopropylbenzene	12.331	105	269206	38.382	ug/l	100
74) N-amyl acetate	12.142	43	73681	45.531	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	57405	39.731	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	48882m	48.527	ug/l	
77) Bromobenzene	12.605	156	60462	37.187	ug/l	98
78) n-propylbenzene	12.672	91	339137	41.850	ug/l	100
79) 2-Chlorotoluene	12.757	91	184429	39.456	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	233119	39.653	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	19233	39.189	ug/l	88
82) 4-Chlorotoluene	12.855	91	202359	40.476	ug/l	97
83) tert-Butylbenzene	13.074	119	205986	39.494	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	244199	41.843	ug/l	98
85) sec-Butylbenzene	13.251	105	323789	40.575	ug/l	99
86) p-Isopropyltoluene	13.367	119	272204	40.905	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	140219	40.429	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	140887	40.433	ug/l	97
89) n-Butylbenzene	13.696	91	249665	41.010	ug/l	99
90) Hexachloroethane	13.958	117	50203	40.257	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	125638	41.037	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8926	39.792	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	61059	36.339	ug/l	99
94) Hexachlorobutadiene	15.111	225	32653	35.656	ug/l	96
95) Naphthalene	15.233	128	128347	38.024	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	54547	37.358	ug/l	99

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

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