

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032222\
 Data File : VY007990.D
 Acq On : 22 Mar 2022 09:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 03/23/2022
 Supervised By : Semsettin Yesilyurt 03/23/2022

Quant Time: Mar 23 05:04:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	214818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	384856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	128172	52.329	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.660%			
35) Dibromofluoromethane	7.715	113	134220	49.659	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.320%			
50) Toluene-d8	10.178	98	464551	57.846	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.700%			
62) 4-Bromofluorobenzene	12.483	95	179152	46.185	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	66742	47.482	ug/l	100
3) Chloromethane	2.113	50	98097	57.572	ug/l	94
4) Vinyl Chloride	2.253	62	129505	60.375	ug/l	99
5) Bromomethane	2.655	94	95547	68.337	ug/l	97
6) Chloroethane	2.796	64	93144	53.020	ug/l	99
7) Trichlorofluoromethane	3.131	101	183422	46.570	ug/l	92
8) Diethyl Ether	3.533	74	72362	49.504	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	123438	48.522	ug/l	90
10) Methyl Iodide	4.094	142	111504	47.418	ug/l	92
11) Tert butyl alcohol	4.954	59	71728	251.375	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	105734	45.329	ug/l	83
13) Acrolein	3.728	56	14622	85.080	ug/l	97
14) Allyl chloride	4.484	41	194601	49.599	ug/l #	93
15) Acrylonitrile	5.167	53	207707	266.629	ug/l	98
16) Acetone	3.948	43	177075	272.520	ug/l #	88
17) Carbon Disulfide	4.198	76	226311	50.992	ug/l	100
18) Methyl Acetate	4.478	43	86698	56.853	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	392156	53.596	ug/l	100
20) Methylene Chloride	4.716	84	135956	54.341	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	124587	47.709	ug/l	90
22) Diisopropyl ether	6.118	45	464586	55.040	ug/l	94
23) Vinyl Acetate	6.057	43	1515152	286.591	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	257071	54.070	ug/l	99
25) 2-Butanone	6.984	43	271266	260.637	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	239331	54.313	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	161541	51.537	ug/l	90
28) Bromochloromethane	7.331	49	106830	56.887	ug/l	92
29) Tetrahydrofuran	7.344	42	169350	253.946	ug/l #	87
30) Chloroform	7.508	83	269308	54.801	ug/l	99
31) Cyclohexane	7.783	56	196730	55.796	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	232781	52.592	ug/l	97
36) 1,1-Dichloropropene	7.917	75	184010	45.902	ug/l	98
37) Ethyl Acetate	7.075	43	117087	47.868	ug/l #	94
38) Carbon Tetrachloride	7.898	117	199457	46.562	ug/l	98
39) Methylcyclohexane	9.185	83	224468	50.591	ug/l	92
40) Benzene	8.161	78	549913	46.943	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	61231m	40.590	ug/l	
42) 1,2-Dichloroethane	8.240	62	171009	50.419	ug/l	92
43) Isopropyl Acetate	8.270	43	227111	48.161	ug/l #	91
44) Trichloroethene	8.941	130	145197	44.823	ug/l	91
45) 1,2-Dichloropropane	9.215	63	149862	49.406	ug/l	96
46) Dibromomethane	9.307	93	87529	49.327	ug/l	89
47) Bromodichloromethane	9.496	83	214782	50.103	ug/l	96
48) Methyl methacrylate	9.294	41	97874	46.657	ug/l #	85
49) 1,4-Dioxane	9.294	88	25138	1000.291	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	600662	241.761	ug/l	91
52) Toluene	10.246	92	358087	47.598	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	224371	49.063	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	249231	48.872	ug/l #	90
55) 1,1,2-Trichloroethane	10.648	97	129490	50.229	ug/l	96
56) Ethyl methacrylate	10.508	69	178264	48.166	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	214123	49.806	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	443085	244.046	ug/l	96
59) 2-Hexanone	10.831	43	423880	238.575	ug/l	87
60) Dibromochloromethane	10.983	129	152508	49.394	ug/l	100
61) 1,2-Dibromoethane	11.087	107	118320	47.441	ug/l	99
64) Tetrachloroethene	10.721	164	112204	41.896	ug/l	98
65) Chlorobenzene	11.520	112	396476	48.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	153217	49.360	ug/l	97
67) Ethyl Benzene	11.593	91	706285	48.092	ug/l	99
68) m/p-Xylenes	11.703	106	548549	95.754	ug/l	94
69) o-Xylene	12.032	106	268835	48.515	ug/l	92
70) Styrene	12.044	104	460083	49.384	ug/l	96
71) Bromoform	12.209	173	91110	45.825	ug/l #	99
73) Isopropylbenzene	12.331	105	720950	48.810	ug/l	99
74) N-amyl acetate	12.148	43	206947	47.489	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	157313	49.478	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	101829m	42.574	ug/l	
77) Bromobenzene	12.611	156	159258	47.183	ug/l	98
78) n-propylbenzene	12.672	91	864859	48.490	ug/l	99
79) 2-Chlorotoluene	12.757	91	490190	48.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	591861	48.726	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	53490	46.973	ug/l	85
82) 4-Chlorotoluene	12.855	91	502761	48.229	ug/l	98
83) tert-Butylbenzene	13.074	119	550192	50.617	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	579402	48.659	ug/l	97
85) sec-Butylbenzene	13.257	105	807721	49.583	ug/l	100
86) p-Isopropyltoluene	13.373	119	655492	49.565	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	326576	49.541	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	323430	48.953	ug/l	98
89) n-Butylbenzene	13.696	91	627431	49.437	ug/l	99
90) Hexachloroethane	13.964	117	131166	49.691	ug/l	78
91) 1,2-Dichlorobenzene	13.745	146	295150	49.777	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	24913	45.546	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	165554	44.168	ug/l	98
94) Hexachlorobutadiene	15.117	225	81315	40.663	ug/l	98
95) Naphthalene	15.239	128	380242	45.469	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	144155	43.604	ug/l	98

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

