

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
 Data File : VY008029.D
 Acq On : 25 Mar 2022 16:33
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 17:55:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 17:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	176723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	297194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	33564	13.966	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	27.940%#		
35) Dibromofluoromethane	7.716	113	34054	17.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	34.260%#		
50) Toluene-d8	10.179	98	126949	17.595	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	35.200%#		
62) 4-Bromofluorobenzene	12.477	95	46761	17.106	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	34.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37125	18.216	ug/l	100
3) Chloromethane	2.113	50	42996	15.676	ug/l	93
4) Vinyl Chloride	2.247	62	57694	18.045	ug/l	99
5) Bromomethane	2.631	94	45794	17.759	ug/l	98
6) Chloroethane	2.790	64	36624	17.552	ug/l	98
7) Trichlorofluoromethane	3.119	101	69211	17.865	ug/l	92
8) Diethyl Ether	3.527	74	21993	14.477	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	42341	17.646	ug/l	93
10) Methyl Iodide	4.088	142	43798	17.559	ug/l	91
11) Tert butyl alcohol	4.954	59	19100	65.055	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	39468	17.057	ug/l	82
13) Acrolein	3.722	56	17016	67.918	ug/l	95
14) Allyl chloride	4.472	41	51418	13.519	ug/l #	91
15) Acrylonitrile	5.161	53	51986	62.848	ug/l	97
16) Acetone	3.942	43	39750	56.521	ug/l #	89
17) Carbon Disulfide	4.192	76	119880	16.919	ug/l	99
18) Methyl Acetate	4.472	43	22857	10.579	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	108677	14.281	ug/l #	90
20) Methylene Chloride	4.710	84	47127	14.063	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	45095	16.460	ug/l	82
22) Diisopropyl ether	6.118	45	111051	13.514	ug/l #	89
23) Vinyl Acetate	6.057	43	368473	65.884	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	71737	15.342	ug/l	97
25) 2-Butanone	6.984	43	63159	58.907	ug/l #	70
26) 2,2-Dichloropropane	6.978	77	67573	16.083	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	51276	16.106	ug/l	82
28) Bromochloromethane	7.332	49	25160	15.139	ug/l #	73
29) Tetrahydrofuran	7.344	42	42223	59.446	ug/l #	77
30) Chloroform	7.502	83	77111	15.527	ug/l	96
31) Cyclohexane	7.783	56	69897	15.897	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	72469	16.998	ug/l	95
36) 1,1-Dichloropropene	7.917	75	61092	18.153	ug/l	96
37) Ethyl Acetate	7.069	43	28779	13.128	ug/l #	91
38) Carbon Tetrachloride	7.899	117	64252	18.825	ug/l	97
39) Methylcyclohexane	9.179	83	82478	18.854	ug/l #	86
40) Benzene	8.155	78	172103	17.433	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13081m	5.346	ug/l	
42) 1,2-Dichloroethane	8.234	62	48532	15.939	ug/l	91
43) Isopropyl Acetate	8.270	43	55913	13.634	ug/l #	86
44) Trichloroethene	8.935	130	48591	18.380	ug/l	98
45) 1,2-Dichloropropane	9.215	63	40500	16.066	ug/l	95
46) Dibromomethane	9.301	93	26129	16.102	ug/l	92
47) Bromodichloromethane	9.496	83	59339	16.560	ug/l	98
48) Methyl methacrylate	9.289	41	24332	13.671	ug/l #	79
49) 1,4-Dioxane	9.295	88	6886	295.516	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	141395	67.483	ug/l #	85
52) Toluene	10.240	92	112019	17.828	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	62727	16.289	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	69956	16.283	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	35301	15.948	ug/l	97
56) Ethyl methacrylate	10.508	69	48245	15.242	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	59556	15.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	93072	69.351	ug/l #	90
59) 2-Hexanone	10.831	43	98601	66.610	ug/l	82
60) Dibromochloromethane	10.983	129	42494	16.678	ug/l	99
61) 1,2-Dibromoethane	11.087	107	35601	16.038	ug/l	100
64) Tetrachloroethene	10.715	164	40006	19.600	ug/l	97
65) Chlorobenzene	11.514	112	120097	18.327	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	43291	18.188	ug/l	96
67) Ethyl Benzene	11.593	91	213771	18.643	ug/l	95
68) m/p-Xylenes	11.703	106	170012	37.996	ug/l	93
69) o-Xylene	12.032	106	80438	18.660	ug/l	93
70) Styrene	12.044	104	133506	18.568	ug/l	95
71) Bromoform	12.209	173	24217	15.995	ug/l #	99
73) Isopropylbenzene	12.331	105	213068	19.522	ug/l	99
74) N-amyl acetate	12.142	43	49357	14.985	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	41821	16.474	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	30608m	10.021	ug/l	
77) Bromobenzene	12.605	156	47050	18.203	ug/l	97
78) n-propylbenzene	12.672	91	255975	19.417	ug/l	98
79) 2-Chlorotoluene	12.757	91	139967	18.588	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	176045	19.510	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	14359	16.375	ug/l #	82
82) 4-Chlorotoluene	12.855	91	148335	19.090	ug/l	99
83) tert-Butylbenzene	13.074	119	153725	19.697	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	172162	19.306	ug/l	98
85) sec-Butylbenzene	13.251	105	232601	19.768	ug/l	99
86) p-Isopropyltoluene	13.367	119	192249	19.960	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	94285	18.677	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	93643	18.516	ug/l	98
89) n-Butylbenzene	13.696	91	182264	19.782	ug/l	99
90) Hexachloroethane	13.958	117	35868	19.161	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	83629	18.306	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6504	15.718	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	46368	17.091	ug/l	98
94) Hexachlorobutadiene	15.111	225	24481	18.762	ug/l	98
95) Naphthalene	15.239	128	105392	15.952	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	40583	17.068	ug/l	98

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

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