

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008038.D
 Acq On : 26 Mar 2022 12:08
 Operator : SY/MD
 Sample : VY0326SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0326SBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 09:27:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	273875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	92628	51.204	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.400%			
35) Dibromofluoromethane	7.716	113	97523	50.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.960%			
50) Toluene-d8	10.179	98	370195	51.367	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.483	95	127139	50.004	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36819	22.653	ug/l	97
3) Chloromethane	2.113	50	41355	20.894	ug/l	94
4) Vinyl Chloride	2.253	62	53248	20.220	ug/l	99
5) Bromomethane	2.643	94	45574	21.117	ug/l	100
6) Chloroethane	2.790	64	34923	20.160	ug/l	99
7) Trichlorofluoromethane	3.125	101	67171	20.164	ug/l	96
8) Diethyl Ether	3.527	74	21280	19.726	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	41518	20.092	ug/l	92
10) Methyl Iodide	4.094	142	42470	18.696	ug/l	91
11) Tert butyl alcohol	4.954	59	17182	91.545	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	38191	19.964	ug/l	83
13) Acrolein	3.729	56	14997	98.168	ug/l	99
14) Allyl chloride	4.478	41	50195	19.943	ug/l #	91
15) Acrylonitrile	5.161	53	48296	93.986	ug/l	99
16) Acetone	3.948	43	37166	89.885	ug/l #	84
17) Carbon Disulfide	4.192	76	117489	21.674	ug/l	99
18) Methyl Acetate	4.478	43	21414	14.546	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	104759	19.269	ug/l	94
20) Methylene Chloride	4.716	84	48805	20.417	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	44238	19.971	ug/l	82
22) Diisopropyl ether	6.118	45	107270	19.810	ug/l #	92
23) Vinyl Acetate	6.057	43	350021	104.317	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	70931	19.786	ug/l	97
25) 2-Butanone	6.990	43	59504	94.566	ug/l #	76
26) 2,2-Dichloropropane	6.984	77	67186	19.789	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	49828	19.407	ug/l	83
28) Bromochloromethane	7.338	49	24435	20.983	ug/l #	71
29) Tetrahydrofuran	7.344	42	39180	95.775	ug/l #	75
30) Chloroform	7.508	83	75466	19.441	ug/l	100
31) Cyclohexane	7.783	56	66960	19.802	ug/l #	81
32) 1,1,1-Trichloroethane	7.703	97	70520	19.662	ug/l	95
36) 1,1-Dichloropropene	7.917	75	59932	19.946	ug/l	97
37) Ethyl Acetate	7.076	43	28106	20.023	ug/l #	92
38) Carbon Tetrachloride	7.899	117	63083	19.265	ug/l	98
39) Methylcyclohexane	9.185	83	79419	19.582	ug/l #	85
40) Benzene	8.161	78	168262	19.577	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13243m	18.789	ug/l	
42) 1,2-Dichloroethane	8.240	62	47536	19.715	ug/l	91
43) Isopropyl Acetate	8.270	43	52895	19.196	ug/l #	86
44) Trichloroethene	8.941	130	47511	19.116	ug/l	95
45) 1,2-Dichloropropane	9.215	63	40127	19.809	ug/l	96
46) Dibromomethane	9.307	93	25521	19.161	ug/l	94
47) Bromodichloromethane	9.496	83	58040	19.057	ug/l	98
48) Methyl methacrylate	9.295	41	23576	19.317	ug/l #	80
49) 1,4-Dioxane	9.295	88	6795	383.763	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	133212	95.850	ug/l #	85
52) Toluene	10.246	92	112073	19.883	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	60077	19.243	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	68892	19.493	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	35198	19.138	ug/l	97
56) Ethyl methacrylate	10.508	69	45860	19.116	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	58569	19.458	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	90830	91.379	ug/l	91
59) 2-Hexanone	10.831	43	91417	94.001	ug/l	81
60) Dibromochloromethane	10.983	129	40991	18.326	ug/l	99
61) 1,2-Dibromoethane	11.087	107	35306	19.275	ug/l	98
64) Tetrachloroethene	10.721	164	39433	18.746	ug/l	96
65) Chlorobenzene	11.514	112	119874	19.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	43208	18.969	ug/l	97
67) Ethyl Benzene	11.593	91	212679	19.650	ug/l	96
68) m/p-Xylenes	11.703	106	167341	38.882	ug/l	93
69) o-Xylene	12.032	106	79903	19.391	ug/l	93
70) Styrene	12.044	104	131476	19.490	ug/l	95
71) Bromoform	12.209	173	24082	17.510	ug/l #	99
73) Isopropylbenzene	12.331	105	211648	19.609	ug/l	100
74) N-amyl acetate	12.142	43	46354	19.537	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	40091	19.110	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	30049m	18.851	ug/l	
77) Bromobenzene	12.611	156	46551	18.800	ug/l	97
78) n-propylbenzene	12.672	91	251727	19.772	ug/l	98
79) 2-Chlorotoluene	12.757	91	141148	19.986	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	172491	19.508	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	13886	19.436	ug/l #	82
82) 4-Chlorotoluene	12.855	91	146509	20.218	ug/l	100
83) tert-Butylbenzene	13.074	119	152592	19.370	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	171919	19.966	ug/l	98
85) sec-Butylbenzene	13.251	105	230781	19.847	ug/l	100
86) p-Isopropyltoluene	13.367	119	189920	19.626	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	93720	19.091	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	93643	19.127	ug/l	98
89) n-Butylbenzene	13.696	91	178458	20.044	ug/l	98
90) Hexachloroethane	13.965	117	36539	19.487	ug/l	75
91) 1,2-Dichlorobenzene	13.739	146	82804	19.158	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6021	17.982	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	47243	18.250	ug/l	98
94) Hexachlorobutadiene	15.117	225	24672	18.016	ug/l	98
95) Naphthalene	15.239	128	104181	18.207	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	40684	18.163	ug/l	98

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

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