

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030922\
 Data File : VY007803.D
 Acq On : 09 Mar 2022 16:36
 Operator : SY/MD
 Sample : VY0309SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2022
 Supervised By : Mahesh Dadoda 03/10/2022

Quant Time: Mar 10 01:03:53 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	230954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	366934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	331602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122176	50.530	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.060%			
35) Dibromofluoromethane	7.716	113	117370	50.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.060%			
50) Toluene-d8	10.179	98	414244	47.970	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.940%			
62) 4-Bromofluorobenzene	12.483	95	135641	48.729	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35637	21.389	ug/l	95
3) Chloromethane	2.113	50	55423	19.489	ug/l	93
4) Vinyl Chloride	2.253	62	72586	20.950	ug/l	97
5) Bromomethane	2.643	94	73942	26.405	ug/l	99
6) Chloroethane	2.790	64	53907	20.288	ug/l	97
7) Trichlorofluoromethane	3.125	101	86172	21.768	ug/l	95
8) Diethyl Ether	3.527	74	26746	20.997	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.905	101	54049	22.367	ug/l	93
10) Methyl Iodide	4.094	142	49568	16.859	ug/l	93
11) Tert butyl alcohol	4.954	59	21406	102.256	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	45208	21.079	ug/l	97
13) Acrolein	3.735	56	24860	120.886	ug/l	92
14) Allyl chloride	4.485	41	72602	22.506	ug/l #	93
15) Acrylonitrile	5.167	53	71217	105.918	ug/l	99
16) Acetone	3.948	43	57916	117.748	ug/l	97
17) Carbon Disulfide	4.198	76	122558	21.543	ug/l	96
18) Methyl Acetate	4.478	43	36027	21.864	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	135596	20.371	ug/l	95
20) Methylene Chloride	4.722	84	58057	22.165	ug/l #	87
21) trans-1,2-Dichloroethene	5.222	96	52132	20.832	ug/l	90
22) Diisopropyl ether	6.124	45	169108	21.944	ug/l	97
23) Vinyl Acetate	6.064	43	520240	106.751	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	97939	21.034	ug/l	97
25) 2-Butanone	6.984	43	93388	113.182	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	91253	22.022	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	61248	20.872	ug/l	91
28) Bromochloromethane	7.332	49	41052	20.731	ug/l #	89
29) Tetrahydrofuran	7.344	42	60148	106.537	ug/l	89
30) Chloroform	7.508	83	102055	21.156	ug/l	97
31) Cyclohexane	7.783	56	88090	21.383	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	96118	22.388	ug/l	98
36) 1,1-Dichloropropene	7.923	75	76196	20.647	ug/l	97
37) Ethyl Acetate	7.076	43	41607	20.413	ug/l #	95
38) Carbon Tetrachloride	7.905	117	83311	21.163	ug/l	96
39) Methylcyclohexane	9.185	83	92848	20.472	ug/l	91
40) Benzene	8.161	78	216973	21.126	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	17932m	18.410	ug/l	
42) 1,2-Dichloroethane	8.240	62	68581	21.400	ug/l	94
43) Isopropyl Acetate	8.277	43	78356	20.787	ug/l	94
44) Trichloroethene	8.941	130	57581	20.187	ug/l	94
45) 1,2-Dichloropropane	9.215	63	56042	21.101	ug/l	92
46) Dibromomethane	9.307	93	33432	20.970	ug/l	96
47) Bromodichloromethane	9.496	83	80068	21.413	ug/l	99
48) Methyl methacrylate	9.295	41	34964	21.399	ug/l	91
49) 1,4-Dioxane	9.307	88	8230	427.598	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	210968	104.601	ug/l	93
52) Toluene	10.246	92	139777	21.048	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	78688	20.496	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	87691	20.674	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	45395	20.930	ug/l	89
56) Ethyl methacrylate	10.514	69	55921	19.420	ug/l	89
57) 1,3-Dichloropropane	10.788	76	76873	20.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	151556	96.510	ug/l	96
59) 2-Hexanone	10.831	43	142794	105.133	ug/l	94
60) Dibromochloromethane	10.983	129	54209	20.990	ug/l	99
61) 1,2-Dibromoethane	11.093	107	42226	20.426	ug/l	100
64) Tetrachloroethene	10.721	164	49707	20.223	ug/l	94
65) Chlorobenzene	11.520	112	148469	20.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	57168	21.161	ug/l	98
67) Ethyl Benzene	11.593	91	265533	20.381	ug/l	99
68) m/p-Xylenes	11.703	106	205987	41.206	ug/l	94
69) o-Xylene	12.032	106	97989	20.685	ug/l	92
70) Styrene	12.044	104	163865	20.659	ug/l	96
71) Bromoform	12.209	173	33125	19.692	ug/l #	99
73) Isopropylbenzene	12.331	105	267142	20.554	ug/l	98
74) N-amyl acetate	12.142	43	65673	18.982	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	55153	20.233	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	40656m	21.822	ug/l	
77) Bromobenzene	12.611	156	60535	20.221	ug/l	96
78) n-propylbenzene	12.672	91	328305	20.934	ug/l	100
79) 2-Chlorotoluene	12.757	91	175825	20.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	214405	20.631	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	16288	17.873	ug/l	95
82) 4-Chlorotoluene	12.855	91	179509	20.795	ug/l	95
83) tert-Butylbenzene	13.074	119	193307	20.222	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	214019	20.907	ug/l	97
85) sec-Butylbenzene	13.251	105	298431	21.104	ug/l	99
86) p-Isopropyltoluene	13.367	119	244336	20.921	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	123882	20.796	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	122054	20.759	ug/l	99
89) n-Butylbenzene	13.696	91	233337	21.139	ug/l	99
90) Hexachloroethane	13.965	117	46964	21.214	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	110309	20.854	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8223	19.919	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	66221	19.774	ug/l	99
94) Hexachlorobutadiene	15.111	225	40730	20.571	ug/l	99
95) Naphthalene	15.239	128	129325	18.983	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	59148	19.818	ug/l	99

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

