

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012822\
 Data File : VY007318.D
 Acq On : 28 Jan 2022 14:07
 Operator : SY/MD
 Sample : VY0128SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0128SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

Quant Time: Jan 31 00:30:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	114550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	192410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62916	44.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.520%		
35) Dibromofluoromethane	7.722	113	62062	47.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.400%		
50) Toluene-d8	10.179	98	217705	45.794	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.580%		
62) 4-Bromofluorobenzene	12.483	95	77398	45.769	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	8712	21.690	ug/l	95
3) Chloromethane	2.119	50	16091	19.103	ug/l	97
4) Vinyl Chloride	2.260	62	23652	19.293	ug/l	99
5) Bromomethane	2.656	94	16049	20.218	ug/l	96
6) Chloroethane	2.796	64	15657	20.469	ug/l	95
7) Trichlorofluoromethane	3.131	101	28419	21.510	ug/l	97
8) Diethyl Ether	3.528	74	14501	19.932	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	26218	20.368	ug/l	98
10) Methyl Iodide	4.095	142	36236	19.033	ug/l	95
11) Tert butyl alcohol	4.954	59	13834	112.790	ug/l	98
12) 1,1-Dichloroethene	3.869	96	25780	19.889	ug/l	97
13) Acrolein	3.723	56	3741	121.566	ug/l	95
14) Allyl chloride	4.479	41	38515	18.531	ug/l	94
15) Acrylonitrile	5.161	53	37479	107.188	ug/l	99
16) Acetone	3.948	43	33825	92.729	ug/l	97
17) Carbon Disulfide	4.192	76	58164	16.158	ug/l	95
18) Methyl Acetate	4.473	43	32654	25.158	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	50491	19.786	ug/l	96
20) Methylene Chloride	4.716	84	29610	19.630	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	27554	19.608	ug/l	95
22) Diisopropyl ether	6.119	45	84201	19.998	ug/l	98
23) Vinyl Acetate	6.064	43	219325	88.574	ug/l	99
24) 1,1-Dichloroethane	6.015	63	53072	20.720	ug/l	96
25) 2-Butanone	6.984	43	45541	96.564	ug/l	95
26) 2,2-Dichloropropane	6.984	77	39788	21.315	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	33846	21.233	ug/l	98
28) Bromochloromethane	7.332	49	14664	15.828	ug/l	97
29) Tetrahydrofuran	7.350	42	30318	100.005	ug/l	99
30) Chloroform	7.509	83	56880	21.373	ug/l	99
31) Cyclohexane	7.783	56	43869	18.461	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	48851	21.476	ug/l	98
36) 1,1-Dichloropropene	7.917	75	41335	19.892	ug/l	99
37) Ethyl Acetate	7.070	43	21133	19.817	ug/l	98
38) Carbon Tetrachloride	7.905	117	44789	20.492	ug/l	98
39) Methylcyclohexane	9.185	83	48166	18.985	ug/l	96
40) Benzene	8.161	78	114108	20.587	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	11134	18.131	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	35539	20.361	ug/l	98
43) Isopropyl Acetate	8.271	43	40309	19.426	ug/l	98
44) Trichloroethene	8.941	130	31094	20.731	ug/l	93
45) 1,2-Dichloropropane	9.216	63	28386	20.139	ug/l	94
46) Dibromomethane	9.307	93	16516	19.815	ug/l	98
47) Bromodichloromethane	9.496	83	42203	20.596	ug/l	99
48) Methyl methacrylate	9.295	41	17624	18.674	ug/l	94
49) 1,4-Dioxane	9.301	88	4320	480.680	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	103262	98.148	ug/l	100
52) Toluene	10.246	92	72212	20.553	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	42948	19.855	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	48447	20.009	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	23337	20.641	ug/l	98
56) Ethyl methacrylate	10.508	69	30623	19.226	ug/l	95
57) 1,3-Dichloropropane	10.789	76	40147	20.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	76783	106.015	ug/l	100
59) 2-Hexanone	10.831	43	70256	98.395	ug/l	98
60) Dibromochloromethane	10.990	129	28575	20.560	ug/l	97
61) 1,2-Dibromoethane	11.093	107	22175	19.964	ug/l	100
64) Tetrachloroethene	10.721	164	24965	20.374	ug/l	89
65) Chlorobenzene	11.520	112	76649	20.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	28672	20.809	ug/l	98
67) Ethyl Benzene	11.593	91	144002	20.612	ug/l	100
68) m/p-Xylenes	11.703	106	106893	41.173	ug/l	100
69) o-Xylene	12.032	106	51350	21.003	ug/l	98
70) Styrene	12.044	104	86347	20.935	ug/l	98
71) Bromoform	12.209	173	16277	20.423	ug/l #	99
73) Isopropylbenzene	12.331	105	139641	20.761	ug/l	100
74) N-amyl acetate	12.148	43	35527	19.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	27023	20.661	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17624m	19.847	ug/l	
77) Bromobenzene	12.611	156	30510	20.846	ug/l	98
78) n-propylbenzene	12.672	91	174608	20.941	ug/l	99
79) 2-Chlorotoluene	12.758	91	95937	20.694	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	114657	20.761	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9481	19.546	ug/l #	100
82) 4-Chlorotoluene	12.855	91	98366	20.340	ug/l	99
83) tert-Butylbenzene	13.075	119	103766	21.744	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	113121	20.664	ug/l	98
85) sec-Butylbenzene	13.258	105	151624	21.238	ug/l	99
86) p-Isopropyltoluene	13.373	119	124431	21.209	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	60123	20.987	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	59431	20.631	ug/l	99
89) n-Butylbenzene	13.697	91	123921	21.452	ug/l	99
90) Hexachloroethane	13.965	117	24088	21.001	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	52536	20.611	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4191	18.553	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	31736	20.475	ug/l	100
94) Hexachlorobutadiene	15.111	225	17026	21.313	ug/l	99
95) Naphthalene	15.239	128	66670	20.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27021	20.433	ug/l	99

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

