

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022723\
 Data File : VY012729.D
 Acq On : 27 Feb 2023 12:01
 Operator : KP/MD
 Sample : VY0227SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 00:21:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	118566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	179835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	161718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	63721	45.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.000%		
35) Dibromofluoromethane	7.716	113	60136	49.508	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.020%		
50) Toluene-d8	10.179	98	223685	49.155	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.300%		
62) 4-Bromofluorobenzene	12.483	95	74954	51.471	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23333	19.142	ug/l	97
3) Chloromethane	2.113	50	27784	16.653	ug/l	98
4) Vinyl Chloride	2.247	62	25436	18.885	ug/l	98
5) Bromomethane	2.637	94	15374	20.842	ug/l	96
6) Chloroethane	2.790	64	15463	18.035	ug/l	95
7) Trichlorofluoromethane	3.125	101	44054	20.291	ug/l	97
8) Diethyl Ether	3.528	74	15347	19.744	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	26705	20.583	ug/l	99
10) Methyl Iodide	4.088	142	33830	19.913	ug/l	98
11) Tert butyl alcohol	4.942	59	19591	127.896	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	25596	20.435	ug/l	92
13) Acrolein	3.729	56	20393	105.370	ug/l	99
14) Allyl chloride	4.472	41	44387	18.259	ug/l	97
15) Acrylonitrile	5.161	53	43529	105.261	ug/l	100
16) Acetone	3.942	43	46952	102.755	ug/l	99
17) Carbon Disulfide	4.192	76	82804	19.645	ug/l	99
18) Methyl Acetate	4.472	43	28698	19.497	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	68126	20.220	ug/l	100
20) Methylene Chloride	4.710	84	35029	21.098	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	27774	20.385	ug/l	88
22) Diisopropyl ether	6.119	45	88988	19.617	ug/l	98
23) Vinyl Acetate	6.058	43	277058	98.616	ug/l	98
24) 1,1-Dichloroethane	6.015	63	49452	19.660	ug/l	99
25) 2-Butanone	6.984	43	62589	103.205	ug/l	94
26) 2,2-Dichloropropane	6.978	77	43203	19.690	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	30506	20.464	ug/l	95
28) Bromochloromethane	7.332	49	19687	19.546	ug/l	89
29) Tetrahydrofuran	7.344	42	38476	103.919	ug/l	96
30) Chloroform	7.509	83	49130	20.158	ug/l	93
31) Cyclohexane	7.783	56	45097	18.537	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	44326	20.090	ug/l	99
36) 1,1-Dichloropropene	7.917	75	38471	19.981	ug/l	99
37) Ethyl Acetate	7.076	43	24911	19.175	ug/l	96
38) Carbon Tetrachloride	7.893	117	40505	20.346	ug/l	98
39) Methylcyclohexane	9.185	83	45435	20.457	ug/l	99
40) Benzene	8.155	78	111643	20.773	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11179m	17.667	ug/l	
42) 1,2-Dichloroethane	8.234	62	33926	20.357	ug/l	100
43) Isopropyl Acetate	8.271	43	44193	19.685	ug/l	96
44) Trichloroethene	8.941	130	29421	21.174	ug/l	97
45) 1,2-Dichloropropane	9.216	63	27947	20.216	ug/l	98
46) Dibromomethane	9.307	93	16645	21.812	ug/l	100
47) Bromodichloromethane	9.496	83	37883	20.621	ug/l	96
48) Methyl methacrylate	9.289	41	21036	20.080	ug/l	97
49) 1,4-Dioxane	9.289	88	4469	411.066	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	128557	106.156	ug/l	98
52) Toluene	10.240	92	69198	21.731	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	39859	20.763	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	45462	20.928	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	22860	22.055	ug/l	95
56) Ethyl methacrylate	10.508	69	30618	21.630	ug/l	93
57) 1,3-Dichloropropane	10.788	76	39335	21.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	76333	99.056	ug/l	98
59) 2-Hexanone	10.831	43	93452	108.854	ug/l	98
60) Dibromochloromethane	10.984	129	27598	21.977	ug/l	99
61) 1,2-Dibromoethane	11.087	107	22192	22.348	ug/l	99
64) Tetrachloroethene	10.721	164	24924	21.191	ug/l	97
65) Chlorobenzene	11.514	112	72612	20.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	27547	21.434	ug/l	99
67) Ethyl Benzene	11.593	91	128500	20.730	ug/l	100
68) m/p-Xylenes	11.703	106	100355	42.439	ug/l	98
69) o-Xylene	12.032	106	46333	21.155	ug/l	100
70) Styrene	12.044	104	79311	21.605	ug/l	97
71) Bromoform	12.209	173	17957	21.896	ug/l #	98
73) Isopropylbenzene	12.331	105	124051	20.145	ug/l	99
74) N-amyl acetate	12.142	43	39161	19.346	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	29131	21.040	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	21211m	20.419	ug/l	
77) Bromobenzene	12.611	156	30356	20.574	ug/l	97
78) n-propylbenzene	12.672	91	156612	20.333	ug/l	99
79) 2-Chlorotoluene	12.758	91	85500	19.981	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	103398	20.102	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	10181	20.763	ug/l	96
82) 4-Chlorotoluene	12.855	91	89379	20.140	ug/l	98
83) tert-Butylbenzene	13.075	119	89646	20.410	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	101895	20.264	ug/l	98
85) sec-Butylbenzene	13.251	105	137190	20.529	ug/l	99
86) p-Isopropyltoluene	13.367	119	111230	20.210	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	59707	20.660	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	60138	20.521	ug/l	99
89) n-Butylbenzene	13.696	91	105944	20.100	ug/l	100
90) Hexachloroethane	13.959	117	22990	20.583	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	53602	20.768	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4626	20.326	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	32739	20.057	ug/l	100
94) Hexachlorobutadiene	15.111	225	19562	19.857	ug/l	99
95) Naphthalene	15.239	128	64825	19.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29344	20.310	ug/l	97

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

