

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016220.D
 Acq On : 03 Nov 2023 19:10
 Operator : SY/MD
 Sample : VY1103SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 03 23:06:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	160220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	258644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	227015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	107127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	77072	51.408	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.740	113	73884	47.916	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.840%			
50) Toluene-d8	10.197	98	300528	49.158	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.320%			
62) 4-Bromofluorobenzene	12.489	95	99478	47.585	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	18326	17.931	ug/l	97
3) Chloromethane	2.119	50	24564	17.359	ug/l	98
4) Vinyl Chloride	2.259	62	26603	18.215	ug/l	96
5) Bromomethane	2.656	94	19024	19.301	ug/l	96
6) Chloroethane	2.802	64	19228	18.701	ug/l	96
7) Trichlorofluoromethane	3.137	101	44693	20.270	ug/l	99
8) Diethyl Ether	3.546	74	14988	20.510	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.918	101	27664	19.916	ug/l	96
10) Methyl Iodide	4.107	142	29035	18.798	ug/l	97
11) Tert butyl alcohol	4.966	59	13141	117.315	ug/l #	85
12) 1,1-Dichloroethene	3.887	96	23718	18.708	ug/l	91
13) Acrolein	3.741	56	11351	105.431	ug/l	98
14) Allyl chloride	4.503	41	37802	20.846	ug/l #	95
15) Acrylonitrile	5.186	53	33627	107.687	ug/l	98
16) Acetone	3.966	43	24119	88.451	ug/l	96
17) Carbon Disulfide	4.210	76	54576	17.243	ug/l	99
18) Methyl Acetate	4.497	43	26249	21.771	ug/l	92
19) Methyl tert-butyl Ether	5.241	73	76375	21.179	ug/l	99
20) Methylene Chloride	4.741	84	36668	22.363	ug/l #	84
21) trans-1,2-Dichloroethene	5.241	96	29143	19.735	ug/l	93
22) Diisopropyl ether	6.137	45	93547	21.328	ug/l	89
23) Vinyl Acetate	6.082	43	223118	103.607	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	54733	20.850	ug/l	98
25) 2-Butanone	7.003	43	42474	102.688	ug/l	97
26) 2,2-Dichloropropane	7.003	77	48089	19.379	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	36048	20.742	ug/l	92
28) Bromochloromethane	7.350	49	21295	21.679	ug/l	89
29) Tetrahydrofuran	7.368	42	28739	110.840	ug/l	91
30) Chloroform	7.521	83	62262	21.786	ug/l	95
31) Cyclohexane	7.801	56	43224	18.755	ug/l	91
32) 1,1,1-Trichloroethane	7.722	97	52770	20.134	ug/l	98
36) 1,1-Dichloropropene	7.935	75	41575	18.672	ug/l	99
37) Ethyl Acetate	7.088	43	20553	20.725	ug/l #	94
38) Carbon Tetrachloride	7.917	117	46908	21.265	ug/l	97
39) Methylcyclohexane	9.197	83	49381	18.580	ug/l	91
40) Benzene	8.179	78	124242	19.436	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10322	17.931	ug/l	95
42) 1,2-Dichloroethane	8.252	62	36547	20.488	ug/l	94
43) Isopropyl Acetate	8.289	43	40945	20.873	ug/l	92
44) Trichloroethene	8.953	130	36008	19.249	ug/l	97
45) 1,2-Dichloropropane	9.228	63	31848	20.711	ug/l	99
46) Dibromomethane	9.319	93	17581	20.154	ug/l	98
47) Bromodichloromethane	9.514	83	47657	21.502	ug/l	99
48) Methyl methacrylate	9.307	41	17346	19.446	ug/l #	88
49) 1,4-Dioxane	9.313	88	3852	288.605	ug/l #	53
51) 4-Methyl-2-Pentanone	10.081	43	106250	108.551	ug/l	93
52) Toluene	10.258	92	82428	19.900	ug/l	93
53) t-1,3-Dichloropropene	10.478	75	45534	20.580	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	52141	20.084	ug/l	92
55) 1,1,2-Trichloroethane	10.660	97	25964	21.160	ug/l	94
56) Ethyl methacrylate	10.520	69	32454	20.366	ug/l #	88
57) 1,3-Dichloropropane	10.807	76	43031	20.600	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	82138	106.297	ug/l	92
59) 2-Hexanone	10.843	43	72619	108.267	ug/l	91
60) Dibromochloromethane	10.996	129	32062	20.828	ug/l	99
61) 1,2-Dibromoethane	11.099	107	23670	20.281	ug/l	98
64) Tetrachloroethene	10.734	164	37913	18.776	ug/l	98
65) Chlorobenzene	11.526	112	89109	19.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	33846	20.260	ug/l	96
67) Ethyl Benzene	11.605	91	157898	19.573	ug/l	100
68) m/p-Xylenes	11.715	106	120959	38.803	ug/l	95
69) o-Xylene	12.038	106	58219	19.561	ug/l	97
70) Styrene	12.057	104	96048	19.412	ug/l	96
71) Bromoform	12.221	173	19187	20.703	ug/l #	98
73) Isopropylbenzene	12.343	105	155707	19.377	ug/l	100
74) N-amyl acetate	12.154	43	35073	20.085	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	26662	20.851	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	20048m	19.873	ug/l	
77) Bromobenzene	12.617	156	35714	19.628	ug/l	96
78) n-propylbenzene	12.684	91	184953	19.468	ug/l	99
79) 2-Chlorotoluene	12.770	91	103490	19.531	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	125397	19.261	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	9463	20.338	ug/l	89
82) 4-Chlorotoluene	12.867	91	107440	19.746	ug/l	99
83) tert-Butylbenzene	13.087	119	113572	19.496	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	124813	19.375	ug/l	98
85) sec-Butylbenzene	13.264	105	169140	19.783	ug/l	100
86) p-Isopropyltoluene	13.379	119	139723	19.718	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	71166	19.776	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	70506	19.823	ug/l	99
89) n-Butylbenzene	13.703	91	128171	19.685	ug/l	96
90) Hexachloroethane	13.971	117	25545	20.919	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	62493	20.099	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4200	18.353	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	36500	19.020	ug/l	99
94) Hexachlorobutadiene	15.123	225	20671	19.711	ug/l	100
95) Naphthalene	15.245	128	67524	18.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	30721	18.740	ug/l	99

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

