

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012216.D
 Acq On : 17 Jan 2023 11:51
 Operator : KP/MD
 Sample : VY0117SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/18/2023
 Supervised By :Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 00:31:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	254202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74143	48.698	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.400%		
35) Dibromofluoromethane	7.722	113	66262	45.344	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.680%		
50) Toluene-d8	10.179	98	247139	48.699	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.400%		
62) 4-Bromofluorobenzene	12.483	95	93990	45.626	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35841	22.375	ug/l	100
3) Chloromethane	2.113	50	30344	20.520	ug/l	99
4) Vinyl Chloride	2.253	62	35800	20.742	ug/l	99
5) Bromomethane	2.644	94	29580	22.167	ug/l	91
6) Chloroethane	2.790	64	23414	20.801	ug/l	99
7) Trichlorofluoromethane	3.125	101	70351	20.884	ug/l	100
8) Diethyl Ether	3.528	74	19570	19.524	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	33764	20.594	ug/l	95
10) Methyl Iodide	4.095	142	44151	17.720	ug/l	95
11) Tert butyl alcohol	4.942	59	21975	115.246	ug/l	95
12) 1,1-Dichloroethene	3.875	96	34691	20.607	ug/l	95
13) Acrolein	3.729	56	10165	135.636	ug/l	94
14) Allyl chloride	4.479	41	38347	18.423	ug/l #	79
15) Acrylonitrile	5.161	53	42279	96.564	ug/l	99
16) Acetone	3.948	43	44237	86.673	ug/l	97
17) Carbon Disulfide	4.198	76	104035	19.979	ug/l	99
18) Methyl Acetate	4.479	43	20842	18.249	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	92401	19.690	ug/l	95
20) Methylene Chloride	4.716	84	41953	13.895	ug/l #	86
21) trans-1,2-Dichloroethene	5.216	96	37835	20.140	ug/l	88
22) Diisopropyl ether	6.125	45	82157	19.798	ug/l #	93
23) Vinyl Acetate	6.058	43	251220	97.151	ug/l #	89
24) 1,1-Dichloroethane	6.021	63	57319	19.914	ug/l	98
25) 2-Butanone	6.984	43	53335	94.655	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	63970	20.473	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	40581	19.666	ug/l	96
28) Bromochloromethane	7.332	49	11898	18.927	ug/l #	70
29) Tetrahydrofuran	7.344	42	29579	95.568	ug/l #	80
30) Chloroform	7.509	83	68999	20.307	ug/l	100
31) Cyclohexane	7.789	56	52403	19.609	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	68613	20.398	ug/l	98
36) 1,1-Dichloropropene	7.917	75	49940	20.109	ug/l	96
37) Ethyl Acetate	7.076	43	21459	19.600	ug/l #	94
38) Carbon Tetrachloride	7.899	117	66440	20.714	ug/l	97
39) Methylcyclohexane	9.185	83	62562	20.614	ug/l	94
40) Benzene	8.161	78	145816	20.343	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	12292m	19.101	ug/l	
42) 1,2-Dichloroethane	8.240	62	46632	20.435	ug/l	100
43) Isopropyl Acetate	8.271	43	39446	19.366	ug/l #	93
44) Trichloroethene	8.941	130	44303	20.678	ug/l	93
45) 1,2-Dichloropropane	9.216	63	29990	20.051	ug/l	100
46) Dibromomethane	9.307	93	20232	20.206	ug/l	96
47) Bromodichloromethane	9.496	83	50317	19.963	ug/l	95
48) Methyl methacrylate	9.295	41	17444	18.587	ug/l	84
49) 1,4-Dioxane	9.301	88	5397	395.559	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	105816	97.423	ug/l	96
52) Toluene	10.246	92	98267	20.590	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	52507	19.916	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	56453	19.883	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	28516	20.045	ug/l	97
56) Ethyl methacrylate	10.508	69	36558	19.588	ug/l	94
57) 1,3-Dichloropropane	10.788	76	47287	20.353	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	61997	100.390	ug/l #	89
59) 2-Hexanone	10.831	43	78193	94.557	ug/l	94
60) Dibromochloromethane	10.984	129	38279	20.287	ug/l	98
61) 1,2-Dibromoethane	11.087	107	27619	20.119	ug/l	100
64) Tetrachloroethene	10.721	164	49232	21.225	ug/l	98
65) Chlorobenzene	11.520	112	104877	20.164	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	40806	20.786	ug/l	96
67) Ethyl Benzene	11.593	91	187082	20.126	ug/l	96
68) m/p-Xylenes	11.703	106	150557	40.965	ug/l	100
69) o-Xylene	12.032	106	70419	20.060	ug/l	98
70) Styrene	12.044	104	119735	20.414	ug/l	99
71) Bromoform	12.209	173	25221	20.108	ug/l #	98
73) Isopropylbenzene	12.331	105	194166	20.541	ug/l	100
74) N-amyl acetate	12.142	43	34472	18.603	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	28944	19.440	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	25851m	21.446	ug/l	
77) Bromobenzene	12.611	156	45683	20.084	ug/l	90
78) n-propylbenzene	12.672	91	225425	20.379	ug/l	98
79) 2-Chlorotoluene	12.758	91	124914	19.973	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	168371	20.489	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11594	19.818	ug/l	97
82) 4-Chlorotoluene	12.855	91	134583	20.486	ug/l	98
83) tert-Butylbenzene	13.075	119	143892	20.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	166061	20.491	ug/l	99
85) sec-Butylbenzene	13.251	105	207145	20.314	ug/l	97
86) p-Isopropyltoluene	13.367	119	181264	20.346	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	91256	20.172	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	90720	20.108	ug/l	99
89) n-Butylbenzene	13.696	91	154068	19.955	ug/l	98
90) Hexachloroethane	13.959	117	31710	19.716	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	80976	20.060	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6128	19.915	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	50707	19.605	ug/l	98
94) Hexachlorobutadiene	15.111	225	32423	20.821	ug/l	99
95) Naphthalene	15.239	128	96152	18.834	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	42596	19.138	ug/l	97

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

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