

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030123\
 Data File : VY012744.D
 Acq On : 01 Mar 2023 12:17
 Operator : KP/MD
 Sample : VY0301SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0301SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/02/2023
 Supervised By :Mahesh Dadoda 03/02/2023

Quant Time: Mar 02 02:03:29 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	108988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	166292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60602	47.081	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.160%			
35) Dibromofluoromethane	7.716	113	58905	52.444	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.880%			
50) Toluene-d8	10.179	98	217744	51.746	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.500%			
62) 4-Bromofluorobenzene	12.483	95	72823	54.080	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22757	20.310	ug/l	100
3) Chloromethane	2.113	50	27609	18.326	ug/l	98
4) Vinyl Chloride	2.253	62	25051	20.234	ug/l	98
5) Bromomethane	2.637	94	15289	22.548	ug/l	92
6) Chloroethane	2.790	64	15346	19.472	ug/l	98
7) Trichlorofluoromethane	3.125	101	42341	21.216	ug/l	97
8) Diethyl Ether	3.527	74	14817	20.737	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	25946	21.755	ug/l	98
10) Methyl Iodide	4.088	142	33447	21.418	ug/l	97
11) Tert butyl alcohol	4.948	59	17307	122.915	ug/l	95
12) 1,1-Dichloroethene	3.875	96	24230	21.045	ug/l	93
13) Acrolein	3.729	56	17853	100.352	ug/l	98
14) Allyl chloride	4.479	41	41470	18.558	ug/l	97
15) Acrylonitrile	5.161	53	38167	100.405	ug/l	99
16) Acetone	3.942	43	40434	96.267	ug/l	98
17) Carbon Disulfide	4.192	76	76113	19.644	ug/l	99
18) Methyl Acetate	4.479	43	25238	18.653	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	62390	20.145	ug/l	100
20) Methylene Chloride	4.716	84	31802	20.754	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	26623	21.258	ug/l	98
22) Diisopropyl ether	6.119	45	83698	20.073	ug/l	97
23) Vinyl Acetate	6.058	43	251891	97.537	ug/l	98
24) 1,1-Dichloroethane	6.015	63	47624	20.597	ug/l	97
25) 2-Butanone	6.984	43	54101	97.048	ug/l	98
26) 2,2-Dichloropropane	6.978	77	42503	21.073	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	29228	21.330	ug/l	96
28) Bromochloromethane	7.332	49	18118	19.569	ug/l	86
29) Tetrahydrofuran	7.344	42	32620	95.845	ug/l	94
30) Chloroform	7.508	83	48532	21.662	ug/l	98
31) Cyclohexane	7.783	56	43302	19.363	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	42716	21.062	ug/l	97
36) 1,1-Dichloropropene	7.917	75	37213	20.902	ug/l	100
37) Ethyl Acetate	7.076	43	23174	19.290	ug/l	97
38) Carbon Tetrachloride	7.899	117	39841	21.642	ug/l	98
39) Methylcyclohexane	9.185	83	42704	20.793	ug/l	99
40) Benzene	8.161	78	107569	21.645	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11711m	20.016	ug/l	
42) 1,2-Dichloroethane	8.240	62	31510	20.448	ug/l	99
43) Isopropyl Acetate	8.271	43	39562	19.057	ug/l	95
44) Trichloroethene	8.941	130	29040	22.602	ug/l	93
45) 1,2-Dichloropropane	9.216	63	26985	21.110	ug/l	99
46) Dibromomethane	9.307	93	15513	21.984	ug/l	99
47) Bromodichloromethane	9.496	83	36348	21.397	ug/l	99
48) Methyl methacrylate	9.289	41	18738	19.343	ug/l	96
49) 1,4-Dioxane	9.307	88	4250	420.887	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	111325	99.414	ug/l	98
52) Toluene	10.246	92	66784	22.681	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	37408	21.073	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	43096	21.455	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	21768	22.712	ug/l	91
56) Ethyl methacrylate	10.508	69	27393	20.928	ug/l	94
57) 1,3-Dichloropropane	10.788	76	36457	21.642	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	69374	97.273	ug/l	98
59) 2-Hexanone	10.831	43	79276	99.862	ug/l	98
60) Dibromochloromethane	10.983	129	26139	22.510	ug/l	100
61) 1,2-Dibromoethane	11.087	107	20594	22.427	ug/l	100
64) Tetrachloroethene	10.721	164	24412	22.451	ug/l	98
65) Chlorobenzene	11.514	112	70530	21.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	26328	22.159	ug/l	99
67) Ethyl Benzene	11.593	91	124408	21.709	ug/l	99
68) m/p-Xylenes	11.703	106	97278	44.499	ug/l	97
69) o-Xylene	12.032	106	45294	22.370	ug/l	100
70) Styrene	12.044	104	76179	22.447	ug/l	98
71) Bromoform	12.209	173	17118	22.579	ug/l #	99
73) Isopropylbenzene	12.331	105	121822	21.317	ug/l	99
74) N-amyl acetate	12.142	43	35085	18.676	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	26572	20.680	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	16508m	17.123	ug/l	
77) Bromobenzene	12.611	156	29281	21.384	ug/l	95
78) n-propylbenzene	12.672	91	150810	21.098	ug/l	100
79) 2-Chlorotoluene	12.758	91	82276	20.718	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	101580	21.279	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9306	20.449	ug/l	93
82) 4-Chlorotoluene	12.855	91	86156	20.918	ug/l	98
83) tert-Butylbenzene	13.075	119	87078	21.362	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	100459	21.527	ug/l	100
85) sec-Butylbenzene	13.251	105	133268	21.488	ug/l	100
86) p-Isopropyltoluene	13.367	119	108890	21.318	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	57926	21.598	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	57970	21.314	ug/l	99
89) n-Butylbenzene	13.696	91	103160	21.089	ug/l	100
90) Hexachloroethane	13.959	117	22597	21.800	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	52502	21.919	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4326	20.482	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	30609	20.205	ug/l	99
94) Hexachlorobutadiene	15.111	225	18895	20.667	ug/l	98
95) Naphthalene	15.239	128	57652	18.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26398	19.687	ug/l	99

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

