

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016847.D
 Acq On : 26 Dec 2023 12:26
 Operator : SY/MD
 Sample : VY1226SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1226SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/29/2023
 Supervised By :Semsettin Yesilyurt 12/29/2023

Quant Time: Dec 27 01:32:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	153326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	262182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	225128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	77738	55.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.080%			
35) Dibromofluoromethane	7.734	113	80487	53.592	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.180%			
50) Toluene-d8	10.191	98	292205	53.972	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.940%			
62) 4-Bromofluorobenzene	12.495	95	95431	54.331	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	26965	20.579	ug/l	98
3) Chloromethane	2.119	50	37671	18.704	ug/l	98
4) Vinyl Chloride	2.259	62	46065	20.248	ug/l	97
5) Bromomethane	2.656	94	32180	19.860	ug/l	97
6) Chloroethane	2.802	64	30179	19.577	ug/l	96
7) Trichlorofluoromethane	3.137	101	55529	20.953	ug/l	98
8) Diethyl Ether	3.546	74	17282	20.385	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.912	101	34268	21.079	ug/l	100
10) Methyl Iodide	4.113	142	29455	17.387	ug/l	98
11) Tert butyl alcohol	4.972	59	16630	144.907	ug/l #	85
12) 1,1-Dichloroethene	3.893	96	29563	20.424	ug/l	95
13) Acrolein	3.741	56	12445	140.547	ug/l	97
14) Allyl chloride	4.497	41	45532	20.537	ug/l	99
15) Acrylonitrile	5.180	53	41578	115.808	ug/l	100
16) Acetone	3.960	43	54529	144.068	ug/l	98
17) Carbon Disulfide	4.216	76	70054	17.787	ug/l	100
18) Methyl Acetate	4.497	43	31281	21.148	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	77482	20.804	ug/l	97
20) Methylene Chloride	4.735	84	41244	19.117	ug/l	97
21) trans-1,2-Dichloroethene	5.241	96	32935	19.950	ug/l	97
22) Diisopropyl ether	6.143	45	109939	21.918	ug/l	94
23) Vinyl Acetate	6.082	43	267781	112.880	ug/l	100
24) 1,1-Dichloroethane	6.039	63	64385	21.369	ug/l	98
25) 2-Butanone	7.003	43	68513	131.473	ug/l	99
26) 2,2-Dichloropropane	7.003	77	55329	21.043	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	39152	20.607	ug/l	98
28) Bromochloromethane	7.350	49	24495	20.540	ug/l	96
29) Tetrahydrofuran	7.368	42	33619	117.983	ug/l	98
30) Chloroform	7.527	83	65273	21.162	ug/l	99
31) Cyclohexane	7.807	56	52249	19.483	ug/l	94
32) 1,1,1-Trichloroethane	7.722	97	55193	20.385	ug/l	98
36) 1,1-Dichloropropene	7.935	75	47209	19.608	ug/l	99
37) Ethyl Acetate	7.088	43	24428	23.671	ug/l	99
38) Carbon Tetrachloride	7.917	117	47785	20.057	ug/l	98
39) Methylcyclohexane	9.197	83	53119	19.109	ug/l	99
40) Benzene	8.179	78	142142	20.287	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	11779m	21.497	ug/l	
42) 1,2-Dichloroethane	8.252	62	38946	21.306	ug/l	100
43) Isopropyl Acetate	8.289	43	44704	22.303	ug/l	100
44) Trichloroethene	8.953	130	36283	20.289	ug/l	99
45) 1,2-Dichloropropane	9.228	63	37197	21.164	ug/l	97
46) Dibromomethane	9.319	93	18794	20.699	ug/l	98
47) Bromodichloromethane	9.508	83	50462	21.087	ug/l	96
48) Methyl methacrylate	9.307	41	23590	21.177	ug/l	99
49) 1,4-Dioxane	9.313	88	4538	514.950	ug/l	96
51) 4-Methyl-2-Pentanone	10.087	43	121697	113.955	ug/l	99
52) Toluene	10.258	92	86484	20.598	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	45564	20.881	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	54647	20.762	ug/l	97
55) 1,1,2-Trichloroethane	10.660	97	27691	21.376	ug/l	100
56) Ethyl methacrylate	10.520	69	24498	21.506	ug/l	96
57) 1,3-Dichloropropane	10.801	76	47388	21.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	64025	104.480	ug/l	99
59) 2-Hexanone	10.843	43	96662	121.386	ug/l	99
60) Dibromochloromethane	10.996	129	32179	21.473	ug/l	97
61) 1,2-Dibromoethane	11.105	107	25211	21.701	ug/l	99
64) Tetrachloroethene	10.734	164	27766	19.854	ug/l	98
65) Chlorobenzene	11.532	112	91212	20.621	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	34337	20.633	ug/l	99
67) Ethyl Benzene	11.605	91	164391	20.192	ug/l	100
68) m/p-Xylenes	11.715	106	123030	40.924	ug/l	100
69) o-Xylene	12.044	106	55641	20.174	ug/l	100
70) Styrene	12.056	104	82440	20.200	ug/l	99
71) Bromoform	12.215	173	17397	20.968	ug/l #	95
73) Isopropylbenzene	12.343	105	154397	20.248	ug/l	99
74) N-amyl acetate	12.154	43	35311	22.066	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	32688	21.452	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	22930m	21.186	ug/l	
77) Bromobenzene	12.623	156	33720	20.271	ug/l	98
78) n-propylbenzene	12.684	91	191094	20.684	ug/l	99
79) 2-Chlorotoluene	12.770	91	104602	20.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	124329	20.598	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	9537	20.694	ug/l	99
82) 4-Chlorotoluene	12.867	91	109912	20.958	ug/l	100
83) tert-Butylbenzene	13.087	119	107864	20.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	123764	20.794	ug/l	99
85) sec-Butylbenzene	13.264	105	161744	20.799	ug/l	100
86) p-Isopropyltoluene	13.379	119	134289	20.736	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	67070	20.631	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	66437	20.929	ug/l	98
89) n-Butylbenzene	13.709	91	129246	20.877	ug/l	99
90) Hexachloroethane	13.977	117	27966	20.738	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	58727	21.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4492	22.742	ug/l	94
93) 1,2,4-Trichlorobenzene	15.019	180	30685	20.881	ug/l	97
94) Hexachlorobutadiene	15.123	225	18226	21.836	ug/l	98
95) Naphthalene	15.251	128	54876	19.694	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	25923	20.713	ug/l	100

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

