

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015976.D
 Acq On : 16 Oct 2023 10:35
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/20/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 17 05:39:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	212972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	348472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	322396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	167574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	126643	52.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%			
35) Dibromofluoromethane	7.734	113	114633	52.253	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.500%			
50) Toluene-d8	10.191	98	431006	52.461	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.495	95	152857	52.251	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	31559	17.710	ug/l	98
3) Chloromethane	2.119	50	50603	15.123	ug/l	97
4) Vinyl Chloride	2.259	62	44948	19.718	ug/l	99
5) Bromomethane	2.668	94	30765	23.860	ug/l	95
6) Chloroethane	2.808	64	27131	18.416	ug/l	99
7) Trichlorofluoromethane	3.131	101	80560	20.835	ug/l	99
8) Diethyl Ether	3.546	74	29165	20.182	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	43646	19.852	ug/l	95
10) Methyl Iodide	4.095	142	52475	20.756	ug/l	99
11) Tert butyl alcohol	5.143	59	78926m	55.969	ug/l	
12) 1,1-Dichloroethene	3.875	96	41948	20.253	ug/l	89
13) Acrolein	3.759	56	58252	126.896	ug/l	97
14) Allyl chloride	4.485	41	69106	20.648	ug/l	91
15) Acrylonitrile	5.210	53	140700	110.522	ug/l	97
16) Acetone	4.009	43	159681	113.095	ug/l	90
17) Carbon Disulfide	4.192	76	122616	19.369	ug/l	100
18) Methyl Acetate	4.515	43	104495	21.337	ug/l	92
19) Methyl tert-butyl Ether	5.253	73	139467	20.087	ug/l	97
20) Methylene Chloride	4.729	84	53066	16.939	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	47459	19.604	ug/l	93
22) Diisopropyl ether	6.149	45	143853	20.698	ug/l	95
23) Vinyl Acetate	6.088	43	473390	103.537	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	83189	20.118	ug/l	95
25) 2-Butanone	7.033	43	212635	103.476	ug/l	96
26) 2,2-Dichloropropane	6.996	77	67710	19.719	ug/l	96
27) cis-1,2-Dichloroethene	7.003	96	54322	19.956	ug/l	92
28) Bromochloromethane	7.350	49	39729	21.530	ug/l	94
29) Tetrahydrofuran	7.387	42	154013	109.337	ug/l	94
30) Chloroform	7.521	83	86101	20.061	ug/l	96
31) Cyclohexane	7.795	56	73866	19.091	ug/l	93
32) 1,1,1-Trichloroethane	7.716	97	75166	19.691	ug/l	98
36) 1,1-Dichloropropene	7.929	75	65818	19.883	ug/l	99
37) Ethyl Acetate	7.106	43	94227	18.449	ug/l	98
38) Carbon Tetrachloride	7.911	117	68155	19.551	ug/l	99
39) Methylcyclohexane	9.197	83	80965	19.064	ug/l	94
40) Benzene	8.173	78	195010	20.361	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	33963	20.168	ug/l	91
42) 1,2-Dichloroethane	8.252	62	61851	20.126	ug/l	93
43) Isopropyl Acetate	8.295	43	110823	20.197	ug/l #	98
44) Trichloroethene	8.953	130	58400	19.786	ug/l	99
45) 1,2-Dichloropropane	9.228	63	48938	20.024	ug/l	93
46) Dibromomethane	9.319	93	34154	19.882	ug/l	97
47) Bromodichloromethane	9.508	83	69188	19.945	ug/l	99
48) Methyl methacrylate	9.307	41	50616	20.884	ug/l	87
49) 1,4-Dioxane	9.405	88	22423	468.050	ug/l #	36
51) 4-Methyl-2-Pentanone	10.087	43	452781	111.971	ug/l	91
52) Toluene	10.258	92	123102	20.103	ug/l	97
53) t-1,3-Dichloropropene	10.477	75	77719	19.982	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	84338	20.172	ug/l #	88
55) 1,1,2-Trichloroethane	10.660	97	50357	20.589	ug/l	96
56) Ethyl methacrylate	10.520	69	76838	20.068	ug/l #	86
57) 1,3-Dichloropropane	10.801	76	85450	20.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	197883	117.776	ug/l	94
59) 2-Hexanone	10.843	43	385227	111.602	ug/l	89
60) Dibromochloromethane	10.996	129	56415	20.284	ug/l	99
61) 1,2-Dibromoethane	11.099	107	53364	20.164	ug/l	100
64) Tetrachloroethene	10.734	164	52750	18.769	ug/l	99
65) Chlorobenzene	11.526	112	135401	20.045	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	49984	19.989	ug/l	98
67) Ethyl Benzene	11.605	91	238020	20.152	ug/l	99
68) m/p-Xylenes	11.715	106	186333	40.878	ug/l	94
69) o-Xylene	12.038	106	88572	20.324	ug/l	96
70) Styrene	12.056	104	150522	20.295	ug/l	96
71) Bromoform	12.221	173	42656	20.032	ug/l #	99
73) Isopropylbenzene	12.343	105	229653	19.359	ug/l	100
74) N-amyl acetate	12.154	43	98396	20.531	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	71793	19.703	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	63880m	19.479	ug/l	
77) Bromobenzene	12.617	156	58361	19.597	ug/l	91
78) n-propylbenzene	12.684	91	284313	19.709	ug/l	100
79) 2-Chlorotoluene	12.770	91	159395	19.536	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	192870	19.570	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	27795	19.966	ug/l	94
82) 4-Chlorotoluene	12.867	91	166644	19.872	ug/l	99
83) tert-Butylbenzene	13.087	119	167937	19.392	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	196142	19.826	ug/l	98
85) sec-Butylbenzene	13.264	105	252144	19.618	ug/l	100
86) p-Isopropyltoluene	13.379	119	213314	19.861	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	112512	19.673	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	115176	19.943	ug/l	99
89) n-Butylbenzene	13.709	91	200339	19.836	ug/l	97
90) Hexachloroethane	13.971	117	40292	19.573	ug/l	89
91) 1,2-Dichlorobenzene	13.751	146	106495	19.847	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.367	75	21609	20.731	ug/l	89
93) 1,2,4-Trichlorobenzene	15.019	180	69392	19.675	ug/l	99
94) Hexachlorobutadiene	15.123	225	36352	20.300	ug/l	96
95) Naphthalene	15.245	128	228577	19.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	67472	19.955	ug/l	99

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

