

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102023\
 Data File : VY016057.D
 Acq On : 20 Oct 2023 11:05
 Operator : SY/MD
 Sample : VY1020SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1020SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/23/2023
 Supervised By : Mahesh Dadoda 10/23/2023

Quant Time: Oct 20 23:04:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	190463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	273743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87511	40.426	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.860%		
35) Dibromofluoromethane	7.716	113	81319	41.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.060%		
50) Toluene-d8	10.179	98	306096	42.525	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.060%		
62) 4-Bromofluorobenzene	12.483	95	108735	42.337	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28729	18.250	ug/l	94
3) Chloromethane	2.113	50	40565	20.409	ug/l	99
4) Vinyl Chloride	2.247	62	42819	19.195	ug/l	92
5) Bromomethane	2.656	94	30940	19.014	ug/l	99
6) Chloroethane	2.796	64	24572	17.130	ug/l	98
7) Trichlorofluoromethane	3.119	101	80339	23.665	ug/l	100
8) Diethyl Ether	3.527	74	25884	21.581	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	39944	20.455	ug/l	96
10) Methyl Iodide	4.082	142	45030	17.659	ug/l	96
11) Tert butyl alcohol	5.161	59	60759m	181.824	ug/l	
12) 1,1-Dichloroethene	3.857	96	37228	20.374	ug/l	94
13) Acrolein	3.741	56	32326	134.544	ug/l	94
14) Allyl chloride	4.472	41	58356	20.425	ug/l	94
15) Acrylonitrile	5.186	53	90504	126.486	ug/l	98
16) Acetone	3.991	43	94988	118.374	ug/l	98
17) Carbon Disulfide	4.186	76	103524	19.340	ug/l	99
18) Methyl Acetate	4.497	43	59092	21.395	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	109729	18.615	ug/l	100
20) Methylene Chloride	4.710	84	49806	20.893	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	43020	20.218	ug/l	93
22) Diisopropyl ether	6.124	45	119490	19.207	ug/l	88
23) Vinyl Acetate	6.070	43	360377	93.383	ug/l	95
24) 1,1-Dichloroethane	6.015	63	73673	19.961	ug/l #	95
25) 2-Butanone	7.008	43	134503	122.372	ug/l	96
26) 2,2-Dichloropropane	6.978	77	63129	19.011	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	48501	19.792	ug/l	91
28) Bromochloromethane	7.332	49	31870	20.191	ug/l	92
29) Tetrahydrofuran	7.368	42	88580	133.142	ug/l	90
30) Chloroform	7.508	83	78515	19.841	ug/l	99
31) Cyclohexane	7.783	56	69136	20.405	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	71628	20.230	ug/l	98
36) 1,1-Dichloropropene	7.917	75	60525	20.298	ug/l	98
37) Ethyl Acetate	7.088	43	36731m	17.089	ug/l	
38) Carbon Tetrachloride	7.905	117	63980	20.188	ug/l	99
39) Methylcyclohexane	9.185	83	75399	20.234	ug/l	94
40) Benzene	8.161	78	169700	20.193	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	20482	18.370	ug/l #	84
42) 1,2-Dichloroethane	8.240	62	52685	19.462	ug/l	92
43) Isopropyl Acetate	8.277	43	76743	20.422	ug/l #	93
44) Trichloroethene	8.941	130	54980	23.333	ug/l	98
45) 1,2-Dichloropropane	9.215	63	44389	21.106	ug/l	97
46) Dibromomethane	9.307	93	31183	22.333	ug/l	97
47) Bromodichloromethane	9.496	83	64389	21.041	ug/l	99
48) Methyl methacrylate	9.295	41	36451	21.310	ug/l #	88
49) 1,4-Dioxane	9.362	88	12795m	575.492	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	383033	177.251	ug/l	91
52) Toluene	10.246	92	113306	20.787	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	69946	21.099	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	74587	20.640	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	43865	22.867	ug/l	94
56) Ethyl methacrylate	10.514	69	66624	23.766	ug/l	89
57) 1,3-Dichloropropane	10.788	76	72632	22.320	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	178259	132.385	ug/l	93
59) 2-Hexanone	10.837	43	326502	198.589	ug/l	88
60) Dibromochloromethane	10.989	129	50118	21.604	ug/l	100
61) 1,2-Dibromoethane	11.093	107	46679	23.911	ug/l	99
64) Tetrachloroethene	10.721	164	49505	23.322	ug/l	96
65) Chlorobenzene	11.520	112	123025	20.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	45662	20.435	ug/l	99
67) Ethyl Benzene	11.593	91	216367	20.625	ug/l	100
68) m/p-Xylenes	11.703	106	169872	41.526	ug/l	94
69) o-Xylene	12.032	106	80214	20.612	ug/l	96
70) Styrene	12.044	104	135910	20.491	ug/l	96
71) Bromoform	12.209	173	37424	23.802	ug/l #	99
73) Isopropylbenzene	12.331	105	212894	20.599	ug/l	100
74) N-amyl acetate	12.148	43	82143	25.163	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	60703	23.450	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	49351m	25.227	ug/l	
77) Bromobenzene	12.611	156	51790	20.645	ug/l	93
78) n-propylbenzene	12.672	91	260906	20.958	ug/l	100
79) 2-Chlorotoluene	12.757	91	142630	20.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	177343	20.716	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	23766	26.519	ug/l	92
82) 4-Chlorotoluene	12.855	91	148381	20.347	ug/l	98
83) tert-Butylbenzene	13.074	119	153993	20.514	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	174609	20.540	ug/l	99
85) sec-Butylbenzene	13.251	105	232149	20.707	ug/l	99
86) p-Isopropyltoluene	13.373	119	192972	20.597	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	100147	20.518	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	101946	20.745	ug/l	99
89) n-Butylbenzene	13.696	91	179323	20.560	ug/l	97
90) Hexachloroethane	13.964	117	35648	19.960	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	94161	21.012	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18308	37.154	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	58629	20.537	ug/l	96
94) Hexachlorobutadiene	15.111	225	31820	20.521	ug/l	99
95) Naphthalene	15.239	128	192061	27.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	57173	21.925	ug/l	99

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

