

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014931.D
 Acq On : 02 Aug 2023 15:04
 Operator : SY/MD
 Sample : VY0802SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0802SBS01

Quant Time: Aug 03 02:43:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2023
 Supervised By :Mahesh Dadoda 08/03/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	274669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	467985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	422250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	167237	53.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.860%			
35) Dibromofluoromethane	7.716	113	151795	50.954	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.179	98	534808	48.693	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.477	95	198894	47.228	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	43166	19.290	ug/l	95
3) Chloromethane	2.107	50	57147	22.718	ug/l	97
4) Vinyl Chloride	2.247	62	67212	23.908	ug/l	98
5) Bromomethane	2.625	94	50978	27.439	ug/l	97
6) Chloroethane	2.784	64	46098	26.251	ug/l	97
7) Trichlorofluoromethane	3.113	101	94664	20.049	ug/l	98
8) Diethyl Ether	3.521	74	36542	20.801	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	54608	18.869	ug/l	96
10) Methyl Iodide	4.082	142	58548	20.549	ug/l	98
11) Tert butyl alcohol	4.942	59	105507	154.294	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	51342	18.982	ug/l	96
13) Acrolein	3.729	56	23975	73.286	ug/l	99
14) Allyl chloride	4.466	41	84097	17.511	ug/l	96
15) Acrylonitrile	5.155	53	106708	110.151	ug/l	99
16) Acetone	3.942	43	107648	108.533	ug/l	92
17) Carbon Disulfide	4.186	76	133891	17.290	ug/l	99
18) Methyl Acetate	4.472	43	85211	22.387	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	180918	20.591	ug/l	98
20) Methylene Chloride	4.704	84	127757	38.696	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	60585	19.738	ug/l	92
22) Diisopropyl ether	6.118	45	190943	19.556	ug/l	91
23) Vinyl Acetate	6.051	43	561752	96.141	ug/l	95
24) 1,1-Dichloroethane	6.009	63	110082	19.704	ug/l	97
25) 2-Butanone	6.978	43	159264	109.757	ug/l	99
26) 2,2-Dichloropropane	6.978	77	102444	19.240	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	71867	20.115	ug/l	97
28) Bromochloromethane	7.326	49	51019	21.204	ug/l	93
29) Tetrahydrofuran	7.344	42	98668	110.429	ug/l	93
30) Chloroform	7.502	83	118179	20.513	ug/l	95
31) Cyclohexane	7.783	56	88934	17.117	ug/l	84
32) 1,1,1-Trichloroethane	7.697	97	101463	19.568	ug/l	99
36) 1,1-Dichloropropene	7.911	75	82772	18.579	ug/l	99
37) Ethyl Acetate	7.070	43	63931	20.843	ug/l	96
38) Carbon Tetrachloride	7.893	117	88121	18.712	ug/l	97
39) Methylcyclohexane	9.179	83	96800	16.678	ug/l	92
40) Benzene	8.155	78	246100	19.423	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	33443m	21.197	ug/l	
42) 1,2-Dichloroethane	8.234	62	83920	20.915	ug/l	96
43) Isopropyl Acetate	8.271	43	114686	19.628	ug/l	97
44) Trichloroethene	8.935	130	72390	20.420	ug/l	97
45) 1,2-Dichloropropane	9.215	63	63052	19.057	ug/l	100
46) Dibromomethane	9.301	93	40380	20.118	ug/l	95
47) Bromodichloromethane	9.490	83	94501	19.976	ug/l	99
48) Methyl methacrylate	9.289	41	50272	19.121	ug/l	94
49) 1,4-Dioxane	9.295	88	14482	442.490	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	324389	105.739	ug/l	94
52) Toluene	10.240	92	156365	19.286	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	95445	18.445	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	105596	18.765	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	57919	20.716	ug/l	94
56) Ethyl methacrylate	10.508	69	82191	19.254	ug/l	91
57) 1,3-Dichloropropane	10.788	76	95829	19.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	100947	50.751	ug/l	93
59) 2-Hexanone	10.831	43	237774	106.280	ug/l	93
60) Dibromochloromethane	10.983	129	68087	19.862	ug/l	100
61) 1,2-Dibromoethane	11.087	107	56197	20.148	ug/l	97
64) Tetrachloroethene	10.715	164	80347	23.659	ug/l	98
65) Chlorobenzene	11.514	112	173250	19.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	66667	19.650	ug/l	98
67) Ethyl Benzene	11.587	91	303899	18.706	ug/l	100
68) m/p-Xylenes	11.697	106	233031	37.576	ug/l	96
69) o-Xylene	12.026	106	115269	19.083	ug/l	96
70) Styrene	12.038	104	194766	19.131	ug/l	97
71) Bromoform	12.203	173	44808	19.485	ug/l #	99
73) Isopropylbenzene	12.325	105	303909	17.948	ug/l	99
74) N-amyl acetate	12.142	43	98153	17.308	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	67118	17.382	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	61504m	22.519	ug/l	
77) Bromobenzene	12.605	156	71979	18.623	ug/l	98
78) n-propylbenzene	12.666	91	358555	17.573	ug/l	100
79) 2-Chlorotoluene	12.751	91	204259	17.380	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	251677	17.797	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	21931	15.547	ug/l	98
82) 4-Chlorotoluene	12.849	91	212913	17.591	ug/l	99
83) tert-Butylbenzene	13.068	119	220476	17.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	249975	18.012	ug/l	99
85) sec-Butylbenzene	13.251	105	325495	17.689	ug/l	100
86) p-Isopropyltoluene	13.367	119	270503	18.004	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	144851	19.256	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	144030	19.107	ug/l	99
89) n-Butylbenzene	13.690	91	252735	17.290	ug/l	97
90) Hexachloroethane	13.959	117	52319	16.954	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	131824	19.127	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13369	18.104	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	79517	18.175	ug/l	99
94) Hexachlorobutadiene	15.105	225	41450	17.240	ug/l	99
95) Naphthalene	15.233	128	183979	18.050	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	70596	18.156	ug/l	98

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

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