

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014819.D
 Acq On : 25 Jul 2023 22:49
 Operator : SY/MD
 Sample : VY0725SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/26/2023
 Supervised By :Semsettin Yesilyurt 07/27/2023

Quant Time: Jul 26 02:14:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	204274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	348113	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	312392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	113003	48.545	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.100%		
35) Dibromofluoromethane	7.722	113	101869	45.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.940%		
50) Toluene-d8	10.185	98	369322	45.205	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.420%		
62) 4-Bromofluorobenzene	12.483	95	135739	43.330	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32402	19.469	ug/l	93
3) Chloromethane	2.113	50	43789	23.407	ug/l	98
4) Vinyl Chloride	2.253	62	49429	23.641	ug/l	96
5) Bromomethane	2.631	94	36070	26.105	ug/l	99
6) Chloroethane	2.784	64	32301	24.733	ug/l	97
7) Trichlorofluoromethane	3.119	101	68513	19.511	ug/l	98
8) Diethyl Ether	3.533	74	25858	19.792	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	40026	18.597	ug/l	95
10) Methyl Iodide	4.088	142	41165	19.557	ug/l	96
11) Tert butyl alcohol	4.954	59	67274	129.588	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	37163	18.475	ug/l	96
13) Acrolein	3.735	56	21435	88.101	ug/l	99
14) Allyl chloride	4.478	41	61935	17.341	ug/l	97
15) Acrylonitrile	5.167	53	78980	109.624	ug/l	98
16) Acetone	3.954	43	66859	90.638	ug/l	91
17) Carbon Disulfide	4.198	76	104419	18.131	ug/l	98
18) Methyl Acetate	4.478	43	70664	24.963	ug/l	93
19) Methyl tert-butyl Ether	5.228	73	132671	20.304	ug/l	100
20) Methylene Chloride	4.716	84	60073	22.769	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	44353	19.429	ug/l	92
22) Diisopropyl ether	6.124	45	137322	18.911	ug/l	92
23) Vinyl Acetate	6.063	43	388811	89.474	ug/l	95
24) 1,1-Dichloroethane	6.021	63	79881	19.226	ug/l	97
25) 2-Butanone	6.990	43	114921	106.490	ug/l	95
26) 2,2-Dichloropropane	6.984	77	68699	17.349	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	52096	19.606	ug/l	97
28) Bromochloromethane	7.338	49	38402	21.460	ug/l	92
29) Tetrahydrofuran	7.356	42	73603	110.764	ug/l	93
30) Chloroform	7.508	83	85511	19.958	ug/l	100
31) Cyclohexane	7.795	56	66539	17.220	ug/l	89
32) 1,1,1-Trichloroethane	7.703	97	72830	18.886	ug/l	99
36) 1,1-Dichloropropene	7.917	75	60142	18.148	ug/l	99
37) Ethyl Acetate	7.082	43	46289	20.287	ug/l #	93
38) Carbon Tetrachloride	7.905	117	64653	18.456	ug/l	99
39) Methylcyclohexane	9.185	83	73437	17.009	ug/l	93
40) Benzene	8.167	78	179068	18.999	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23593m	20.103	ug/l	
42) 1,2-Dichloroethane	8.240	62	59412	19.906	ug/l	95
43) Isopropyl Acetate	8.276	43	85676	19.712	ug/l	97
44) Trichloroethene	8.941	130	50885	19.296	ug/l	99
45) 1,2-Dichloropropane	9.215	63	46052	18.712	ug/l	100
46) Dibromomethane	9.307	93	30356	20.332	ug/l	93
47) Bromodichloromethane	9.496	83	66860	19.000	ug/l	97
48) Methyl methacrylate	9.295	41	37795	19.325	ug/l	92
49) 1,4-Dioxane	9.307	88	9783	401.846	ug/l #	39
51) 4-Methyl-2-Pentanone	10.075	43	241306	105.742	ug/l	93
52) Toluene	10.246	92	114568	18.996	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	68450	17.783	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	75241	17.975	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	42005	20.197	ug/l	96
56) Ethyl methacrylate	10.514	69	60867	19.168	ug/l	90
57) 1,3-Dichloropropane	10.794	76	71336	19.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	156950	106.079	ug/l	95
59) 2-Hexanone	10.837	43	171361	102.970	ug/l	92
60) Dibromochloromethane	10.989	129	49456	19.395	ug/l	99
61) 1,2-Dibromoethane	11.093	107	41697	20.097	ug/l	100
64) Tetrachloroethene	10.721	164	52273	20.806	ug/l	97
65) Chlorobenzene	11.520	112	126105	18.943	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	46953	18.707	ug/l	98
67) Ethyl Benzene	11.593	91	222872	18.543	ug/l	99
68) m/p-Xylenes	11.703	106	168274	36.677	ug/l	97
69) o-Xylene	12.032	106	84045	18.807	ug/l	97
70) Styrene	12.044	104	139378	18.505	ug/l	98
71) Bromoform	12.209	173	32100	18.868	ug/l #	99
73) Isopropylbenzene	12.331	105	215342	17.629	ug/l	99
74) N-amyl acetate	12.142	43	69507	16.990	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	53569	19.230	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	43245m	21.948	ug/l	
77) Bromobenzene	12.611	156	52534	18.840	ug/l	98
78) n-propylbenzene	12.672	91	258421	17.556	ug/l	99
79) 2-Chlorotoluene	12.757	91	149912	17.682	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	179371	17.583	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	16071	15.793	ug/l	98
82) 4-Chlorotoluene	12.855	91	152853	17.505	ug/l	99
83) tert-Butylbenzene	13.074	119	162165	17.920	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	181240	18.103	ug/l	99
85) sec-Butylbenzene	13.251	105	232083	17.483	ug/l	100
86) p-Isopropyltoluene	13.373	119	192134	17.727	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	100833	18.580	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	101423	18.650	ug/l	98
89) n-Butylbenzene	13.696	91	179849	17.056	ug/l	96
90) Hexachloroethane	13.958	117	38101	17.114	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	94223	18.951	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10238	19.218	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	58628	18.575	ug/l	98
94) Hexachlorobutadiene	15.111	225	29269	16.875	ug/l	99
95) Naphthalene	15.239	128	141438	19.235	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51653	18.414	ug/l	98

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

