

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014818.D
 Acq On : 25 Jul 2023 22:27
 Operator : SY/MD
 Sample : VY0725SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBS02

Quant Time: Jul 26 02:13:43 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 :Mahesh Dadoda 07/26/2023
 Supervised By :Semsettin Yesilyurt 07/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	200665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	309241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106905	46.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.500%		
35) Dibromofluoromethane	7.722	113	95692	43.687	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.380%		
50) Toluene-d8	10.179	98	345927	42.837	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.680%		
62) 4-Bromofluorobenzene	12.483	95	126522	40.860	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34286	20.972	ug/l	91
3) Chloromethane	2.113	50	45460	24.737	ug/l	98
4) Vinyl Chloride	2.253	62	51713	25.179	ug/l	94
5) Bromomethane	2.631	94	39310	28.962	ug/l	98
6) Chloroethane	2.784	64	33848	26.384	ug/l	98
7) Trichlorofluoromethane	3.119	101	71202	20.642	ug/l	100
8) Diethyl Ether	3.534	74	27674	21.562	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	42531	20.116	ug/l	94
10) Methyl Iodide	4.095	142	39419	19.124	ug/l	97
11) Tert butyl alcohol	4.960	59	74556	148.586	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	39857	20.170	ug/l	93
13) Acrolein	3.735	56	21168	88.569	ug/l	100
14) Allyl chloride	4.485	41	65997	18.810	ug/l	96
15) Acrylonitrile	5.168	53	85515	120.830	ug/l	98
16) Acetone	3.954	43	72010	99.377	ug/l	95
17) Carbon Disulfide	4.198	76	108838	19.238	ug/l	100
18) Methyl Acetate	4.479	43	76671	27.572	ug/l	93
19) Methyl tert-butyl Ether	5.228	73	139167	21.681	ug/l	97
20) Methylene Chloride	4.722	84	62687	24.475	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	46226	20.614	ug/l	97
22) Diisopropyl ether	6.125	45	143714	20.147	ug/l	93
23) Vinyl Acetate	6.064	43	411691	96.443	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	83676	20.501	ug/l	96
25) 2-Butanone	6.990	43	121575	114.682	ug/l	92
26) 2,2-Dichloropropane	6.984	77	71588	18.403	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	54769	20.982	ug/l	97
28) Bromochloromethane	7.338	49	40706	23.157	ug/l	94
29) Tetrahydrofuran	7.350	42	80051	122.634	ug/l	92
30) Chloroform	7.509	83	88469	21.020	ug/l	97
31) Cyclohexane	7.789	56	70598	18.599	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	77814	20.542	ug/l	99
36) 1,1-Dichloropropene	7.923	75	64161	19.587	ug/l	100
37) Ethyl Acetate	7.076	43	50865	22.554	ug/l #	95
38) Carbon Tetrachloride	7.905	117	67819	19.586	ug/l	99
39) Methylcyclohexane	9.185	83	76605	17.950	ug/l	94
40) Benzene	8.161	78	185835	19.948	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	20904m	18.020	ug/l	
42) 1,2-Dichloroethane	8.240	62	60954	20.661	ug/l	95
43) Isopropyl Acetate	8.277	43	89420	20.814	ug/l	96
44) Trichloroethene	8.941	130	51963	19.935	ug/l	98
45) 1,2-Dichloropropane	9.216	63	48611	19.983	ug/l	92
46) Dibromomethane	9.307	93	31518	21.357	ug/l	95
47) Bromodichloromethane	9.502	83	69701	20.039	ug/l	97
48) Methyl methacrylate	9.295	41	40028	20.706	ug/l	91
49) 1,4-Dioxane	9.301	88	11443	475.527	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	258487	114.595	ug/l	94
52) Toluene	10.246	92	119859	20.106	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	71250	18.727	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	78594	18.996	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	43049	20.941	ug/l	98
56) Ethyl methacrylate	10.514	69	64640	20.594	ug/l	90
57) 1,3-Dichloropropane	10.795	76	73165	20.635	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	158934	108.675	ug/l	95
59) 2-Hexanone	10.831	43	186166	113.175	ug/l	92
60) Dibromochloromethane	10.984	129	52206	20.713	ug/l	100
61) 1,2-Dibromoethane	11.093	107	43761	21.339	ug/l	100
64) Tetrachloroethene	10.721	164	53570	21.539	ug/l	96
65) Chlorobenzene	11.520	112	131502	19.955	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	48771	19.629	ug/l	97
67) Ethyl Benzene	11.593	91	231172	19.429	ug/l	100
68) m/p-Xylenes	11.703	106	176903	38.950	ug/l	96
69) o-Xylene	12.032	106	86705	19.600	ug/l	98
70) Styrene	12.044	104	148601	19.931	ug/l	96
71) Bromoform	12.209	173	34434	20.446	ug/l #	100
73) Isopropylbenzene	12.331	105	224687	18.730	ug/l	100
74) N-amyl acetate	12.142	43	75290	18.739	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	55844	20.413	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	44508m	23.002	ug/l	
77) Bromobenzene	12.611	156	53821	19.654	ug/l	96
78) n-propylbenzene	12.672	91	267077	18.475	ug/l	99
79) 2-Chlorotoluene	12.758	91	152516	18.317	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	190345	18.999	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17328	17.339	ug/l	95
82) 4-Chlorotoluene	12.855	91	157839	18.406	ug/l	98
83) tert-Butylbenzene	13.075	119	164389	18.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	188894	19.212	ug/l	100
85) sec-Butylbenzene	13.251	105	244036	18.719	ug/l	99
86) p-Isopropyltoluene	13.367	119	202321	19.007	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	104137	19.539	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	105983	19.844	ug/l	98
89) n-Butylbenzene	13.696	91	186880	18.046	ug/l	97
90) Hexachloroethane	13.959	117	38797	17.745	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	96058	19.672	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11048	21.117	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	57319	18.492	ug/l	98
94) Hexachlorobutadiene	15.111	225	30311	17.795	ug/l	98
95) Naphthalene	15.233	128	143955	19.934	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51883	18.834	ug/l	99

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

