

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091223\
 Data File : VY015507.D
 Acq On : 12 Sep 2023 14:47
 Operator : SY/MD
 Sample : VY0912SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0912SBS02

Quant Time: Sep 13 09:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/13/2023
 Supervised By :Semsettin Yesilyurt 09/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	174149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	262714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	73053	39.132	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.260%		
35) Dibromofluoromethane	7.710	113	67450	40.047	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.100%		
50) Toluene-d8	10.173	98	227782	37.346	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	74.700%		
62) 4-Bromofluorobenzene	12.477	95	87931	38.834	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24439	16.144	ug/l	95
3) Chloromethane	2.107	50	32656	16.243	ug/l	98
4) Vinyl Chloride	2.241	62	38793	16.578	ug/l	94
5) Bromomethane	2.619	94	32142	19.304	ug/l	98
6) Chloroethane	2.778	64	28708	18.664	ug/l	99
7) Trichlorofluoromethane	3.107	101	63416	19.159	ug/l	97
8) Diethyl Ether	3.515	74	23823	21.060	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	36543	19.919	ug/l	96
10) Methyl Iodide	4.076	142	37764	17.529	ug/l	99
11) Tert butyl alcohol	4.924	59	83356	196.440	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	33082	19.110	ug/l	90
13) Acrolein	3.723	56	24672	57.000	ug/l	100
14) Allyl chloride	4.460	41	55190	20.023	ug/l	96
15) Acrylonitrile	5.149	53	76243	107.110	ug/l	99
16) Acetone	3.942	43	96025	123.233	ug/l	93
17) Carbon Disulfide	4.180	76	70365	13.596	ug/l	98
18) Methyl Acetate	4.466	43	56289	19.944	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	126705	22.519	ug/l	99
20) Methylene Chloride	4.698	84	103573	39.852	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	38891	19.509	ug/l	99
22) Diisopropyl ether	6.106	45	133755	22.188	ug/l	94
23) Vinyl Acetate	6.052	43	406885	106.904	ug/l	95
24) 1,1-Dichloroethane	6.009	63	75104	21.552	ug/l	95
25) 2-Butanone	6.978	43	129355	117.044	ug/l	98
26) 2,2-Dichloropropane	6.972	77	71457	24.143	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	48901	21.623	ug/l	97
28) Bromochloromethane	7.320	49	17129	16.029	ug/l	88
29) Tetrahydrofuran	7.338	42	71439	102.934	ug/l	93
30) Chloroform	7.496	83	81967	22.375	ug/l	97
31) Cyclohexane	7.777	56	55999	16.887	ug/l	86
32) 1,1,1-Trichloroethane	7.692	97	71994	22.003	ug/l	98
36) 1,1-Dichloropropene	7.911	75	56219	19.010	ug/l	99
37) Ethyl Acetate	7.064	43	48284	21.169	ug/l	96
38) Carbon Tetrachloride	7.893	117	61426	20.111	ug/l	96
39) Methylcyclohexane	9.179	83	62998	16.921	ug/l	91
40) Benzene	8.155	78	169205	20.507	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	24319m	22.737	ug/l	
42) 1,2-Dichloroethane	8.228	62	57592	20.932	ug/l	96
43) Isopropyl Acetate	8.265	43	83259	21.110	ug/l	98
44) Trichloroethene	8.935	130	49410	21.165	ug/l	93
45) 1,2-Dichloropropane	9.210	63	44446	21.368	ug/l	97
46) Dibromomethane	9.301	93	28585	20.689	ug/l	97
47) Bromodichloromethane	9.490	83	65041	22.013	ug/l	100
48) Methyl methacrylate	9.289	41	35260	19.485	ug/l	91
49) 1,4-Dioxane	9.295	88	10911	425.155	ug/l #	58
51) 4-Methyl-2-Pentanone	10.063	43	244040	106.456	ug/l	94
52) Toluene	10.240	92	111419	21.069	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	68672	21.869	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	72743	21.296	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	40964	22.004	ug/l	95
56) Ethyl methacrylate	10.508	69	60114	21.790	ug/l	89
57) 1,3-Dichloropropane	10.789	76	68970	21.522	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	82284	83.562	ug/l	93
59) 2-Hexanone	10.825	43	187978	109.283	ug/l	92
60) Dibromochloromethane	10.984	129	49285	22.618	ug/l	99
61) 1,2-Dibromoethane	11.087	107	40450	21.443	ug/l	99
64) Tetrachloroethene	10.715	164	51871	21.753	ug/l	98
65) Chlorobenzene	11.514	112	124276	21.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	46742	22.558	ug/l	99
67) Ethyl Benzene	11.587	91	216661	21.314	ug/l	99
68) m/p-Xylenes	11.697	106	168795	42.839	ug/l	95
69) o-Xylene	12.026	106	82114	21.806	ug/l	97
70) Styrene	12.044	104	139732	22.069	ug/l	97
71) Bromoform	12.203	173	33425	23.125	ug/l #	98
73) Isopropylbenzene	12.325	105	214953	21.432	ug/l	99
74) N-amyl acetate	12.142	43	73294	21.752	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	52047	21.739	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	38289m	21.624	ug/l	
77) Bromobenzene	12.605	156	53476	22.512	ug/l	99
78) n-propylbenzene	12.666	91	258344	21.288	ug/l	98
79) 2-Chlorotoluene	12.752	91	147712	21.700	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	181044	21.581	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	17358	21.625	ug/l	97
82) 4-Chlorotoluene	12.849	91	152233	21.519	ug/l	99
83) tert-Butylbenzene	13.075	119	159894	21.761	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	180873	21.715	ug/l	99
85) sec-Butylbenzene	13.252	105	234895	21.433	ug/l	99
86) p-Isopropyltoluene	13.367	119	198631	21.625	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	105077	22.407	ug/l	99
88) 1,4-Dichlorobenzene	13.441	146	107124	22.598	ug/l	99
89) n-Butylbenzene	13.697	91	186271	21.546	ug/l	97
90) Hexachloroethane	13.959	117	36044	21.941	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	97913	22.879	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10456	22.077	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	61795	22.992	ug/l	99
94) Hexachlorobutadiene	15.111	225	32337	22.065	ug/l	97
95) Naphthalene	15.233	128	146706	22.036	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	55432	22.611	ug/l	99

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

