

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015587.D
 Acq On : 15 Sep 2023 23:15
 Operator : SY/MD
 Sample : VY0915SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0915SBS02

Quant Time: Sep 15 23:30:14 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 09/18/2023
 Supervised By :Semsettin Yesilyurt 09/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	167211	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	286451	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	264577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	93087	51.932	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.860%			
35) Dibromofluoromethane	7.722	113	84038	50.935	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.185	98	277443	46.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.860%			
62) 4-Bromofluorobenzene	12.483	95	108371	48.858	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23163	15.936	ug/l	99
3) Chloromethane	2.113	50	31233	16.180	ug/l	97
4) Vinyl Chloride	2.253	62	35003	15.579	ug/l	96
5) Bromomethane	2.644	94	25010	15.644	ug/l	94
6) Chloroethane	2.784	64	25125	17.013	ug/l	97
7) Trichlorofluoromethane	3.119	101	58415	18.380	ug/l	99
8) Diethyl Ether	3.534	74	25336	23.327	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	35488	20.146	ug/l	96
10) Methyl Iodide	4.088	142	31820	15.382	ug/l	99
11) Tert butyl alcohol	4.936	59	109253	281.118	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	31846	19.159	ug/l	94
13) Acrolein	3.741	56	26319	62.036	ug/l	100
14) Allyl chloride	4.479	41	56414	21.317	ug/l	95
15) Acrylonitrile	5.174	53	100678	147.307	ug/l	98
16) Acetone	3.966	43	104995	140.335	ug/l	91
17) Carbon Disulfide	4.192	76	63198	12.718	ug/l	100
18) Methyl Acetate	4.491	43	88113	32.515	ug/l	94
19) Methyl tert-butyl Ether	5.235	73	131826	24.402	ug/l	100
20) Methylene Chloride	4.722	84	103970	42.075	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	37357	19.517	ug/l	97
22) Diisopropyl ether	6.125	45	138544	23.936	ug/l	96
23) Vinyl Acetate	6.070	43	399193	109.235	ug/l	96
24) 1,1-Dichloroethane	6.027	63	75591	22.592	ug/l	95
25) 2-Butanone	7.003	43	162970	153.578	ug/l	100
26) 2,2-Dichloropropane	6.990	77	60353	21.237	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	48483	22.328	ug/l	97
28) Bromochloromethane	7.344	49	24050	23.439	ug/l	100
29) Tetrahydrofuran	7.356	42	98504	147.820	ug/l	93
30) Chloroform	7.515	83	82172	23.362	ug/l	100
31) Cyclohexane	7.789	56	55889	17.553	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	66937	21.306	ug/l	98
36) 1,1-Dichloropropene	7.923	75	54115	18.679	ug/l	99
37) Ethyl Acetate	7.088	43	60788	27.206	ug/l	96
38) Carbon Tetrachloride	7.905	117	58040	19.398	ug/l	96
39) Methylcyclohexane	9.191	83	60179	16.500	ug/l	92
40) Benzene	8.167	78	164514	20.354	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	31133m	29.714	ug/l	
42) 1,2-Dichloroethane	8.240	62	59059	21.912	ug/l	94
43) Isopropyl Acetate	8.277	43	97128	25.139	ug/l	97
44) Trichloroethene	8.947	130	48212	21.082	ug/l	95
45) 1,2-Dichloropropane	9.222	63	46512	22.827	ug/l	97
46) Dibromomethane	9.313	93	30813	22.766	ug/l	95
47) Bromodichloromethane	9.502	83	66906	23.115	ug/l	99
48) Methyl methacrylate	9.301	41	43846	24.734	ug/l	92
49) 1,4-Dioxane	9.325	88	14571	579.593	ug/l #	53
51) 4-Methyl-2-Pentanone	10.075	43	321033	142.958	ug/l	94
52) Toluene	10.246	92	106877	20.631	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	66993	21.779	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	72166	21.567	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	44531	24.418	ug/l	97
56) Ethyl methacrylate	10.514	69	65126	24.099	ug/l	90
57) 1,3-Dichloropropane	10.795	76	74159	23.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	114098	118.283	ug/l	96
59) 2-Hexanone	10.837	43	245455	145.669	ug/l	92
60) Dibromochloromethane	10.990	129	50041	23.444	ug/l	100
61) 1,2-Dibromoethane	11.093	107	44431	24.044	ug/l	99
64) Tetrachloroethene	10.727	164	56812	23.657	ug/l	97
65) Chlorobenzene	11.520	112	122353	21.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	46609	22.335	ug/l	98
67) Ethyl Benzene	11.599	91	211519	20.661	ug/l	99
68) m/p-Xylenes	11.709	106	161937	40.809	ug/l	96
69) o-Xylene	12.032	106	78277	20.641	ug/l	100
70) Styrene	12.050	104	137832	21.615	ug/l	96
71) Bromoform	12.215	173	35923	24.678	ug/l #	97
73) Isopropylbenzene	12.337	105	210434	20.883	ug/l	100
74) N-amyl acetate	12.148	43	81499	24.073	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	59922	24.910	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	47726m	26.827	ug/l	
77) Bromobenzene	12.611	156	51553	21.600	ug/l	93
78) n-propylbenzene	12.678	91	252187	20.682	ug/l	100
79) 2-Chlorotoluene	12.764	91	143697	21.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	176098	20.893	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	18687	23.171	ug/l	98
82) 4-Chlorotoluene	12.861	91	150629	21.192	ug/l	100
83) tert-Butylbenzene	13.081	119	152264	20.625	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	174682	20.873	ug/l	99
85) sec-Butylbenzene	13.257	105	231736	21.045	ug/l	99
86) p-Isopropyltoluene	13.373	119	192036	20.809	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	100324	21.292	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	101646	21.341	ug/l	98
89) n-Butylbenzene	13.703	91	177654	20.453	ug/l	97
90) Hexachloroethane	13.965	117	36065	21.850	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	96363	22.411	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12923	27.157	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	58187	21.548	ug/l	99
94) Hexachlorobutadiene	15.117	225	30644	20.811	ug/l	97
95) Naphthalene	15.239	128	162393	24.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	54330	22.057	ug/l	99

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

