

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015607.D
 Acq On : 16 Sep 2023 07:03
 Operator : SY/MD
 Sample : 04419-16MSD
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(23-25)MSD

Quant Time: Sep 16 07:38:04 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	7.801	168	182804	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	311192	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	281518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	140511	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	93455	47.690	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.380%		
35) Dibromofluoromethane	7.734	113	83088	46.356	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.720%		
50) Toluene-d8	10.191	98	274209	42.245	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.480%		
62) 4-Bromofluorobenzene	12.489	95	109980	45.641	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	61992	39.012	ug/l	98
3) Chloromethane	2.119	50	97480	46.191	ug/l	98
4) Vinyl Chloride	2.253	62	114152	46.472	ug/l	98
5) Bromomethane	2.650	94	88956	50.896	ug/l	96
6) Chloroethane	2.796	64	81578	50.527	ug/l	98
7) Trichlorofluoromethane	3.131	101	167669	48.256	ug/l	98
8) Diethyl Ether	3.540	74	69907	58.873	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.912	101	99079	51.449	ug/l	96
10) Methyl Iodide	4.101	142	126920	56.122	ug/l	98
11) Tert butyl alcohol	4.985	59	111489	259.629	ug/l #	81
12) 1,1-Dichloroethene	3.887	96	97013	53.386	ug/l	88
13) Acrolein	3.741	56	64730	125.005	ug/l	97
14) Allyl chloride	4.491	41	163966	56.671	ug/l	95
15) Acrylonitrile	5.180	53	245373	328.393	ug/l	99
16) Acetone	3.960	43	282689	345.611	ug/l	94
17) Carbon Disulfide	4.204	76	275663	50.742	ug/l	98
18) Methyl Acetate	4.491	43	233995	78.983	ug/l	93
19) Methyl tert-butyl Ether	5.241	73	360012	60.956	ug/l	98
20) Methylene Chloride	4.728	84	148775	58.199	ug/l	91
21) trans-1,2-Dichloroethene	5.234	96	115947	55.410	ug/l	96
22) Diisopropyl ether	6.137	45	359826	56.864	ug/l	88
23) Vinyl Acetate	6.076	43	325367	81.439	ug/l	95
24) 1,1-Dichloroethane	6.027	63	206106	56.345	ug/l	97
25) 2-Butanone	7.002	43	390108	336.268	ug/l	96
26) 2,2-Dichloropropane	6.996	77	147908	47.607	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	134730	56.755	ug/l	93
28) Bromochloromethane	7.350	49	50985	45.452	ug/l	95
29) Tetrahydrofuran	7.362	42	246836	338.818	ug/l	93
30) Chloroform	7.521	83	218969	56.944	ug/l	96
31) Cyclohexane	7.795	56	177837	51.088	ug/l	94
32) 1,1,1-Trichloroethane	7.716	97	191000	55.609	ug/l	98
36) 1,1-Dichloropropene	7.929	75	161063	51.176	ug/l	100
37) Ethyl Acetate	7.088	43	142059	58.525	ug/l	96
38) Carbon Tetrachloride	7.911	117	172718	53.135	ug/l	99
39) Methylcyclohexane	9.197	83	202332	51.065	ug/l	94
40) Benzene	8.173	78	475304	54.130	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	67598m	59.387	ug/l	
42) 1,2-Dichloroethane	8.246	62	162265	55.418	ug/l	95
43) Isopropyl Acetate	8.283	43	249847	59.525	ug/l	97
44) Trichloroethene	8.953	130	141889	57.112	ug/l	97
45) 1,2-Dichloropropane	9.228	63	122527	55.353	ug/l	98
46) Dibromomethane	9.313	93	84053	57.165	ug/l	97
47) Bromodichloromethane	9.508	83	177140	56.335	ug/l	100
48) Methyl methacrylate	9.301	41	118902	61.741	ug/l	91
49) 1,4-Dioxane	9.313	88	31825	1165.264	ug/l #	48
51) 4-Methyl-2-Pentanone	10.081	43	779544	319.537	ug/l	93
52) Toluene	10.252	92	302441	53.739	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	183457	54.899	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	195904	53.891	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	114870	57.980	ug/l	97
56) Ethyl methacrylate	10.520	69	158177	53.877	ug/l	89
57) 1,3-Dichloropropane	10.801	76	196615	57.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	260537	248.621	ug/l	95
59) 2-Hexanone	10.843	43	598084	326.723	ug/l	91
60) Dibromochloromethane	10.996	129	135247	58.324	ug/l	100
61) 1,2-Dibromoethane	11.099	107	117575	58.568	ug/l	100
64) Tetrachloroethene	10.727	164	183785	71.925	ug/l	97
65) Chlorobenzene	11.526	112	325348	53.632	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	126998	57.196	ug/l	99
67) Ethyl Benzene	11.599	91	586947	53.883	ug/l	99
68) m/p-Xylenes	11.709	106	452572	107.186	ug/l	96
69) o-Xylene	12.038	106	221343	54.853	ug/l	98
70) Styrene	12.050	104	374207	55.153	ug/l	97
71) Bromoform	12.215	173	96455	62.274	ug/l #	99
73) Isopropylbenzene	12.337	105	575539	54.532	ug/l	100
74) N-amyl acetate	12.148	43	172486	48.645	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	139392	55.325	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	128059m	68.726	ug/l	
77) Bromobenzene	12.617	156	139470	55.794	ug/l	96
78) n-propylbenzene	12.678	91	684358	53.587	ug/l	99
79) 2-Chlorotoluene	12.764	91	396208	55.313	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	521237	59.044	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	47719	56.492	ug/l	97
82) 4-Chlorotoluene	12.861	91	393633	52.876	ug/l	99
83) tert-Butylbenzene	13.081	119	426162	55.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	588757	67.170	ug/l	99
85) sec-Butylbenzene	13.257	105	627010	54.368	ug/l	100
86) p-Isopropyltoluene	13.373	119	511133	52.880	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	259664	52.617	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	260316	52.184	ug/l	99
89) n-Butylbenzene	13.702	91	472873	51.978	ug/l	94
90) Hexachloroethane	13.971	117	103187	59.690	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	245452	54.501	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	32901	66.013	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	139561	49.345	ug/l	97
94) Hexachlorobutadiene	15.117	225	77128	50.011	ug/l	97
95) Naphthalene	15.239	128	453827	64.777	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	134645	52.192	ug/l	99

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

