

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016661.D
 Acq On : 15 Dec 2023 19:07
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY121523

Quant Time: Dec 16 00:45:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	249869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	392483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	344834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94292	46.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.380%		
35) Dibromofluoromethane	7.722	113	99037	47.043	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.080%		
50) Toluene-d8	10.185	98	378370	45.768	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.540%		
62) 4-Bromofluorobenzene	12.489	95	123503	45.777	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	106087	54.477	ug/l	99
3) Chloromethane	2.113	50	161447	53.200	ug/l	96
4) Vinyl Chloride	2.253	62	189241	54.322	ug/l	97
5) Bromomethane	2.656	94	128772	51.645	ug/l	98
6) Chloroethane	2.796	64	120396	53.134	ug/l	97
7) Trichlorofluoromethane	3.131	101	206443	53.057	ug/l	97
8) Diethyl Ether	3.528	74	66176	54.447	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	127863	53.134	ug/l	95
10) Methyl Iodide	4.095	142	139208	55.583	ug/l	95
11) Tert butyl alcohol	4.954	59	41404	251.084	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	124516	54.887	ug/l	88
13) Acrolein	3.729	56	26060	218.252	ug/l	100
14) Allyl chloride	4.485	41	165903	53.938	ug/l #	93
15) Acrylonitrile	5.168	53	136420	269.716	ug/l	96
16) Acetone	3.948	43	120029	248.560	ug/l #	88
17) Carbon Disulfide	4.198	76	383923	53.508	ug/l	99
18) Methyl Acetate	4.479	43	104383	54.697	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	301373	56.658	ug/l	100
20) Methylene Chloride	4.722	84	141897	56.050	ug/l #	86
21) trans-1,2-Dichloroethene	5.228	96	143321	54.226	ug/l	92
22) Diisopropyl ether	6.125	45	371371	56.337	ug/l	89
23) Vinyl Acetate	6.064	43	911709	280.689	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	230254	53.526	ug/l	96
25) 2-Butanone	6.990	43	175017	255.113	ug/l	92
26) 2,2-Dichloropropane	6.984	77	206365	54.034	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	158450	55.513	ug/l	90
28) Bromochloromethane	7.344	49	86949	56.714	ug/l	89
29) Tetrahydrofuran	7.356	42	109882	276.616	ug/l #	87
30) Chloroform	7.509	83	242938	54.303	ug/l	94
31) Cyclohexane	7.795	56	210653	52.214	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	218370	54.409	ug/l	97
36) 1,1-Dichloropropene	7.923	75	190999	54.776	ug/l	98
37) Ethyl Acetate	7.082	43	77652	54.039	ug/l #	95
38) Carbon Tetrachloride	7.905	117	196551	56.117	ug/l	96
39) Methylcyclohexane	9.191	83	247005	56.361	ug/l	90
40) Benzene	8.167	78	554401	54.249	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	40384	55.792	ug/l #	91
42) 1,2-Dichloroethane	8.240	62	144102	55.170	ug/l	92
43) Isopropyl Acetate	8.277	43	149011	56.424	ug/l #	90
44) Trichloroethene	8.947	130	156259	54.900	ug/l	97
45) 1,2-Dichloropropane	9.222	63	131892	55.243	ug/l	100
46) Dibromomethane	9.313	93	73775	55.876	ug/l	97
47) Bromodichloromethane	9.502	83	185094	55.483	ug/l	99
48) Methyl methacrylate	9.295	41	84776	57.971	ug/l	85
49) 1,4-Dioxane	9.307	88	15564	1100.425	ug/l #	69
51) 4-Methyl-2-Pentanone	10.075	43	383220	276.679	ug/l	89
52) Toluene	10.252	92	352172	55.014	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	178580	56.744	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	210498	55.630	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	101749	54.845	ug/l	97
56) Ethyl methacrylate	10.514	69	94678	58.862	ug/l #	82
57) 1,3-Dichloropropane	10.795	76	173287	56.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	232929	210.514	ug/l	94
59) 2-Hexanone	10.837	43	273440	240.637	ug/l	86
60) Dibromochloromethane	10.990	129	123304	54.842	ug/l	99
61) 1,2-Dibromoethane	11.093	107	97069	55.748	ug/l	99
64) Tetrachloroethene	10.727	164	153420	54.306	ug/l	98
65) Chlorobenzene	11.520	112	368773	54.828	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	137465	55.883	ug/l	99
67) Ethyl Benzene	11.599	91	671088	55.458	ug/l	98
68) m/p-Xylenes	11.709	106	524053	112.257	ug/l	91
69) o-Xylene	12.032	106	242409	56.770	ug/l	94
70) Styrene	12.050	104	356053	57.553	ug/l	96
71) Bromoform	12.209	173	74494	55.843	ug/l #	98
73) Isopropylbenzene	12.337	105	644137	55.542	ug/l	99
74) N-amyl acetate	12.148	43	123061	56.614	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	105820	53.634	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	76925m	50.935	ug/l	
77) Bromobenzene	12.611	156	148911	54.805	ug/l	92
78) n-propylbenzene	12.678	91	760601	54.870	ug/l	98
79) 2-Chlorotoluene	12.764	91	417055	54.789	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	523691	56.474	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	35411	53.581	ug/l	91
82) 4-Chlorotoluene	12.861	91	428320	54.414	ug/l	97
83) tert-Butylbenzene	13.081	119	444797	54.970	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	513688	55.855	ug/l	98
85) sec-Butylbenzene	13.258	105	663211	55.858	ug/l	100
86) p-Isopropyltoluene	13.373	119	578018	57.020	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	289614	54.841	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	286077	55.091	ug/l	100
89) n-Butylbenzene	13.703	91	531810	56.472	ug/l	97
90) Hexachloroethane	13.965	117	107419	53.239	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	251785	55.566	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15443	54.079	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	143146	58.481	ug/l	99
94) Hexachlorobutadiene	15.117	225	78670	53.546	ug/l	98
95) Naphthalene	15.239	128	263279	60.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	118652	58.805	ug/l	99

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

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