

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082923\
 Data File : VY015361.D
 Acq On : 29 Aug 2023 18:35
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/31/2023
 Supervised By :Semsettin Yesilyurt 08/31/2023

Quant Time: Aug 31 15:06:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 13:05:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	175439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94579	50.290	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.580%			
35) Dibromofluoromethane	7.710	113	84495	51.382	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.760%			
50) Toluene-d8	10.179	98	297854	50.016	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.477	95	112077	50.696	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	80490	52.780	ug/l	94
3) Chloromethane	2.107	50	108312	53.479	ug/l	99
4) Vinyl Chloride	2.247	62	125165	53.095	ug/l	98
5) Bromomethane	2.637	94	87953	52.435	ug/l	98
6) Chloroethane	2.784	64	80873	52.193	ug/l	97
7) Trichlorofluoromethane	3.113	101	173701	52.091	ug/l	97
8) Diethyl Ether	3.521	74	61350	53.835	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	97026	52.498	ug/l	95
10) Methyl Iodide	4.082	142	121663	56.056	ug/l	100
11) Tert butyl alcohol	4.960	59	104762	253.388	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	91194	52.291	ug/l	96
13) Acrolein	3.723	56	154183	274.407	ug/l	99
14) Allyl chloride	4.466	41	149154	53.716	ug/l	98
15) Acrylonitrile	5.155	53	201168	280.534	ug/l	99
16) Acetone	3.942	43	244335	311.260	ug/l	93
17) Carbon Disulfide	4.186	76	275727	52.884	ug/l	98
18) Methyl Acetate	4.472	43	159445	56.079	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	310530	54.785	ug/l	99
20) Methylene Chloride	4.704	84	128227	54.423	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	106012	52.789	ug/l	95
22) Diisopropyl ether	6.112	45	322764	53.149	ug/l	93
23) Vinyl Acetate	6.051	43	1055101	311.596	ug/l	96
24) 1,1-Dichloroethane	6.009	63	181715	51.762	ug/l	98
25) 2-Butanone	6.978	43	329339	295.804	ug/l	98
26) 2,2-Dichloropropane	6.972	77	155278	52.077	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	121113	53.161	ug/l	94
28) Bromochloromethane	7.332	49	54465	50.593	ug/l	96
29) Tetrahydrofuran	7.344	42	198520	283.937	ug/l	93
30) Chloroform	7.502	83	192307	52.110	ug/l	96
31) Cyclohexane	7.777	56	167234	50.059	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	173286	52.570	ug/l	99
36) 1,1-Dichloropropene	7.911	75	149692	51.842	ug/l	99
37) Ethyl Acetate	7.069	43	124566	55.935	ug/l	96
38) Carbon Tetrachloride	7.893	117	156160	52.364	ug/l	97
39) Methylcyclohexane	9.179	83	190890	52.512	ug/l	94
40) Benzene	8.155	78	424384	52.679	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	58786m	51.468	ug/l	
42) 1,2-Dichloroethane	8.234	62	144257	53.700	ug/l	96
43) Isopropyl Acetate	8.271	43	214985	55.827	ug/l	98
44) Trichloroethene	8.935	130	118673	52.065	ug/l	99
45) 1,2-Dichloropropane	9.209	63	107790	53.077	ug/l	99
46) Dibromomethane	9.301	93	72179	53.505	ug/l	96
47) Bromodichloromethane	9.490	83	154356	53.505	ug/l	97
48) Methyl methacrylate	9.289	41	100002	56.599	ug/l	93
49) 1,4-Dioxane	9.295	88	27995	1117.248	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	638281	285.171	ug/l	94
52) Toluene	10.240	92	275373	53.332	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	168137	54.841	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	179963	53.960	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	97864	53.841	ug/l	97
56) Ethyl methacrylate	10.508	69	150911	56.026	ug/l	91
57) 1,3-Dichloropropane	10.788	76	168112	53.729	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	249215	259.212	ug/l	93
59) 2-Hexanone	10.831	43	491305	292.537	ug/l	92
60) Dibromochloromethane	10.983	129	115459	54.270	ug/l	100
61) 1,2-Dibromoethane	11.087	107	100214	54.411	ug/l	100
64) Tetrachloroethene	10.715	164	125559	52.365	ug/l	97
65) Chlorobenzene	11.514	112	294310	51.702	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	108208	51.935	ug/l	97
67) Ethyl Benzene	11.587	91	527758	51.632	ug/l	99
68) m/p-Xylenes	11.697	106	410750	103.671	ug/l	97
69) o-Xylene	12.026	106	197336	52.116	ug/l	98
70) Styrene	12.038	104	339232	53.282	ug/l	97
71) Bromoform	12.203	173	81507	56.080	ug/l #	98
73) Isopropylbenzene	12.325	105	524675	51.026	ug/l	100
74) N-amyl acetate	12.142	43	192416	55.700	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	130035	52.976	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	98007m	54.211	ug/l	
77) Bromobenzene	12.605	156	124671	51.193	ug/l	96
78) n-propylbenzene	12.666	91	646066	51.926	ug/l	100
79) 2-Chlorotoluene	12.751	91	359314	51.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	445159	51.759	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	44456	54.021	ug/l	100
82) 4-Chlorotoluene	12.849	91	375121	51.721	ug/l	100
83) tert-Butylbenzene	13.068	119	390476	51.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	443839	51.976	ug/l	100
85) sec-Butylbenzene	13.251	105	580513	51.667	ug/l	100
86) p-Isopropyltoluene	13.367	119	491431	52.186	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	247821	51.545	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	248649	51.162	ug/l	99
89) n-Butylbenzene	13.690	91	460321	51.936	ug/l	96
90) Hexachloroethane	13.959	117	87163	51.753	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	228969	52.186	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26727	55.043	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	146143	53.038	ug/l	99
94) Hexachlorobutadiene	15.111	225	75298	50.115	ug/l	99
95) Naphthalene	15.233	128	379034	55.531	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	131344	52.259	ug/l	98

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

