

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015319.D
 Acq On : 24 Aug 2023 18:05
 Operator : SY/MD
 Sample : 04014-02MS
 Misc : 7.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB06-Z102-104MS

Quant Time: Aug 25 03:22:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023
 Supervised By :Semsettin Yesilyurt 08/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	141101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	228229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92027	54.332	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.660%			
35) Dibromofluoromethane	7.716	113	78413	53.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.800%			
50) Toluene-d8	10.179	98	288591	52.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.600%			
62) 4-Bromofluorobenzene	12.483	95	116863	58.538	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	27920	45.782	ug/l	100
3) Chloromethane	2.107	50	39886	47.112	ug/l	100
4) Vinyl Chloride	2.241	62	49710	44.274	ug/l	97
5) Bromomethane	2.637	94	35112	43.887	ug/l	98
6) Chloroethane	2.784	64	39594	48.571	ug/l	98
7) Trichlorofluoromethane	3.113	101	95122	50.278	ug/l	99
8) Diethyl Ether	3.521	74	38055	51.288	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	57810	49.166	ug/l	96
10) Methyl Iodide	4.082	142	46261	40.068	ug/l	100
11) Tert butyl alcohol	4.978	59	53249	186.859	ug/l #	78
12) 1,1-Dichloroethene	3.863	96	47240	48.114	ug/l	89
14) Allyl chloride	4.466	41	82467	47.374	ug/l	98
15) Acrylonitrile	5.161	53	135785	270.043	ug/l	100
16) Acetone	3.954	43	153666	277.710	ug/l	94
17) Carbon Disulfide	4.186	76	73818	42.721	ug/l	97
18) Methyl Acetate	4.478	43	114047	56.243	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	229829	55.052	ug/l	97
20) Methylene Chloride	4.704	84	87675	67.607	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	52921	47.784	ug/l	95
22) Diisopropyl ether	6.118	45	219924	50.631	ug/l	91
23) Vinyl Acetate	6.057	43	554104	213.789	ug/l	95
24) 1,1-Dichloroethane	6.009	63	118052	50.200	ug/l	98
25) 2-Butanone	6.984	43	203661	259.950	ug/l	96
26) 2,2-Dichloropropane	6.978	77	106013	46.764	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	76607	50.637	ug/l	94
28) Bromochloromethane	7.332	49	49669	45.972	ug/l	91
29) Tetrahydrofuran	7.344	42	119372	254.815	ug/l	92
30) Chloroform	7.502	83	137596	52.194	ug/l	94
31) Cyclohexane	7.777	56	73258	48.337	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	116869	52.097	ug/l	98
36) 1,1-Dichloropropene	7.911	75	81309	50.055	ug/l	99
37) Ethyl Acetate	7.069	43	78679	51.964	ug/l #	95
38) Carbon Tetrachloride	7.899	117	96144	50.011	ug/l	99
39) Methylcyclohexane	9.185	83	87851	48.244	ug/l	92
40) Benzene	8.155	78	384049	78.201	ug/l	99
41) Methacrylonitrile	7.307	41	48241	61.788	ug/l #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.234	62	95056	53.295	ug/l	95
43) Isopropyl Acetate	8.270	43	143785	52.147	ug/l	98
44) Trichloroethene	8.941	130	75736	53.529	ug/l	97
45) 1,2-Dichloropropane	9.215	63	71881	51.905	ug/l	96
46) Dibromomethane	9.301	93	47293	54.146	ug/l	97
47) Bromodichloromethane	9.496	83	111841	53.660	ug/l	96
48) Methyl methacrylate	9.295	41	65970	55.930	ug/l	93
49) 1,4-Dioxane	9.313	88	18216	1042.961	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	448205	280.475	ug/l	93
52) Toluene	10.240	92	218091	67.375	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	113681	51.900	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	118137	51.211	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	76108	57.307	ug/l	96
56) Ethyl methacrylate	10.508	69	111369	57.300	ug/l	91
57) 1,3-Dichloropropane	10.788	76	120574	55.570	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	240032	265.372	ug/l	93
59) 2-Hexanone	10.831	43	335805	283.930	ug/l	92
60) Dibromochloromethane	10.983	129	88031	55.568	ug/l	98
61) 1,2-Dibromoethane	11.087	107	69785	55.314	ug/l	99
64) Tetrachloroethene	10.721	164	98386	66.899	ug/l	97
65) Chlorobenzene	11.514	112	199461	51.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	84015	53.836	ug/l	99
67) Ethyl Benzene	11.593	91	626962	93.038	ug/l	99
68) m/p-Xylenes	11.703	106	298994	116.822	ug/l	96
69) o-Xylene	12.026	106	155386	60.944	ug/l	98
70) Styrene	12.044	104	254639	57.704	ug/l	98
71) Bromoform	12.209	173	60584	53.553	ug/l #	100
73) Isopropylbenzene	12.331	105	388546	52.644	ug/l	100
74) N-amyl acetate	12.142	43	131212	49.240	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	97018	50.471	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	77660m	55.692	ug/l	
77) Bromobenzene	12.605	156	88626	49.263	ug/l	96
78) n-propylbenzene	12.672	91	447584	51.068	ug/l	99
79) 2-Chlorotoluene	12.757	91	258796	51.186	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	325739	52.946	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	30017	47.281	ug/l	97
82) 4-Chlorotoluene	12.855	91	255835	48.978	ug/l	99
83) tert-Butylbenzene	13.074	119	276128	49.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	381651	62.080	ug/l	100
85) sec-Butylbenzene	13.251	105	408991	49.604	ug/l	99
86) p-Isopropyltoluene	13.367	119	340190	49.765	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	174062	48.780	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	174757	48.828	ug/l	95
89) n-Butylbenzene	13.696	91	319664	49.596	ug/l	96
90) Hexachloroethane	13.958	117	70586	52.049	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	168581	50.572	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20984	56.352	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	104206	48.693	ug/l	97
94) Hexachlorobutadiene	15.111	225	48732	41.863	ug/l	97
95) Naphthalene	15.233	128	2904516	544.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	99557	51.511	ug/l	98

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

