

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015073.D
 Acq On : 14 Aug 2023 11:46
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/15/2023
 Supervised By :Semsettin Yesilyurt 08/15/2023

Quant Time: Aug 14 12:37:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:26:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	226536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	376244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	341668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	397579	146.204	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 292.400%#	
35) Dibromofluoromethane	7.715	113	360609	148.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 297.960%#	
50) Toluene-d8	10.178	98	1337745	148.465	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 296.920%#	
62) 4-Bromofluorobenzene	12.477	95	489929	148.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 297.740%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	136933	151.345	ug/l	98
3) Chloromethane	2.113	50	191956	149.482	ug/l	99
4) Vinyl Chloride	2.247	62	240636	133.492	ug/l	97
5) Bromomethane	2.613	94	142409	151.150	ug/l	100
6) Chloroethane	2.771	64	179349	137.038	ug/l	98
7) Trichlorofluoromethane	3.107	101	419602	138.144	ug/l	99
8) Diethyl Ether	3.521	74	170384	143.031	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	254291	134.706	ug/l	96
10) Methyl Iodide	4.082	142	291446	157.228	ug/l	98
11) Tert butyl alcohol	4.960	59	327805	765.518	ug/l #	83
12) 1,1-Dichloroethene	3.862	96	219216	139.067	ug/l	92
13) Acrolein	3.722	56	134573	750.717	ug/l	100
14) Allyl chloride	4.472	41	412397	147.560	ug/l	97
15) Acrylonitrile	5.155	53	590348	731.277	ug/l	98
16) Acetone	3.942	43	617750	695.375	ug/l	97
17) Carbon Disulfide	4.186	76	407971	147.062	ug/l	98
18) Methyl Acetate	4.472	43	468211	143.821	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	988066	147.417	ug/l	98
20) Methylene Chloride	4.710	84	303051	151.005	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	259575	145.987	ug/l	98
22) Diisopropyl ether	6.118	45	1058334	151.760	ug/l #	91
23) Vinyl Acetate	6.051	43	3177530	763.617	ug/l	96
24) 1,1-Dichloroethane	6.015	63	545943	144.601	ug/l	98
25) 2-Butanone	6.978	43	905024	719.508	ug/l	96
26) 2,2-Dichloropropane	6.978	77	519354	142.694	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	356006	146.573	ug/l	96
28) Bromochloromethane	7.331	49	245835	141.725	ug/l	96
29) Tetrahydrofuran	7.344	42	554476	737.222	ug/l	94
30) Chloroform	7.502	83	613580	144.971	ug/l	96
31) Cyclohexane	7.783	56	356040	151.777	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	519147	144.145	ug/l	98
36) 1,1-Dichloropropene	7.911	75	381224	142.362	ug/l	99
37) Ethyl Acetate	7.069	43	351140	140.677	ug/l #	96
38) Carbon Tetrachloride	7.898	117	446773	140.973	ug/l	99
39) Methylcyclohexane	9.179	83	427272	142.331	ug/l	95
40) Benzene	8.154	78	1175891	145.242	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	171070m	136.542	ug/l	
42) 1,2-Dichloroethane	8.234	62	420503	143.014	ug/l	95
43) Isopropyl Acetate	8.270	43	663441	145.955	ug/l	98
44) Trichloroethene	8.935	130	325991	139.763	ug/l	99
45) 1,2-Dichloropropane	9.215	63	329365	144.270	ug/l	98
46) Dibromomethane	9.301	93	208298	144.663	ug/l	96
47) Bromodichloromethane	9.496	83	500875	145.775	ug/l	98
48) Methyl methacrylate	9.288	41	291742	150.037	ug/l	93
49) 1,4-Dioxane	9.294	88	81395	2826.924	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	1914164	726.605	ug/l	93
52) Toluene	10.239	92	779060	145.994	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	545525	151.075	ug/l	98
54) cis-1,3-Dichloropropene	9.922	75	568374	149.457	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	314801	143.786	ug/l	97
56) Ethyl methacrylate	10.508	69	482714	150.654	ug/l	91
57) 1,3-Dichloropropane	10.788	76	517661	144.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	1095000	734.346	ug/l	95
59) 2-Hexanone	10.831	43	1432509	734.721	ug/l	92
60) Dibromochloromethane	10.983	129	387823	148.499	ug/l	100
61) 1,2-Dibromoethane	11.087	107	298475	143.509	ug/l	100
64) Tetrachloroethene	10.715	164	311169	130.722	ug/l	98
65) Chlorobenzene	11.514	112	891865	143.265	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	371694	147.152	ug/l	99
67) Ethyl Benzene	11.587	91	1570397	143.978	ug/l	99
68) m/p-Xylenes	11.696	106	1199589	289.575	ug/l	96
69) o-Xylene	12.026	106	604078	146.380	ug/l	98
70) Styrene	12.038	104	1067007	149.389	ug/l	97
71) Bromoform	12.202	173	268934	146.872	ug/l #	99
73) Isopropylbenzene	12.324	105	1599168	144.742	ug/l	100
74) N-amyl acetate	12.142	43	611219	153.225	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.580	83	427161	148.448	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	283898m	135.751	ug/l	
77) Bromobenzene	12.605	156	387624	143.934	ug/l	95
78) n-propylbenzene	12.666	91	1914106	145.894	ug/l	100
79) 2-Chlorotoluene	12.751	91	1102081	145.613	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	1336983	145.172	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	152114	160.059	ug/l	94
82) 4-Chlorotoluene	12.849	91	1142133	146.067	ug/l	100
83) tert-Butylbenzene	13.068	119	1226517	145.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1342338	145.862	ug/l	98
85) sec-Butylbenzene	13.251	105	1762320	142.784	ug/l	100
86) p-Isopropyltoluene	13.367	119	1486394	145.253	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	775600	145.201	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	768059	143.359	ug/l	99
89) n-Butylbenzene	13.690	91	1392838	144.359	ug/l	96
90) Hexachloroethane	13.958	117	295206	145.416	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	716566	143.600	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	81366	145.969	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	470427	146.844	ug/l	99
94) Hexachlorobutadiene	15.110	225	242608	139.223	ug/l	99
95) Naphthalene	15.232	128	1173989	147.111	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	429383	148.412	ug/l	98

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

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