

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016733.D
 Acq On : 20 Dec 2023 18:55
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 21 01:09:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:09:06 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	169228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	281309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	240003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	104815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	148761	96.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.580%#			
35) Dibromofluoromethane	7.728	113	156955	97.402	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.800%#			
50) Toluene-d8	10.185	98	576214	99.194	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.380%#			
62) 4-Bromofluorobenzene	12.489	95	189179	100.382	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 200.760%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	143849	99.467	ug/l	97
3) Chloromethane	2.119	50	217282	97.743	ug/l	97
4) Vinyl Chloride	2.259	62	262520	104.551	ug/l	99
5) Bromomethane	2.656	94	187726	104.969	ug/l	95
6) Chloroethane	2.802	64	179136	105.285	ug/l	98
7) Trichlorofluoromethane	3.137	101	312804	106.939	ug/l	99
8) Diethyl Ether	3.540	74	102293	109.321	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	190972	106.432	ug/l	99
10) Methyl Iodide	4.101	142	212079	113.426	ug/l	99
11) Tert butyl alcohol	4.966	59	65367	516.635	ug/l	98
12) 1,1-Dichloroethene	3.887	96	175464	109.829	ug/l	98
13) Acrolein	3.741	56	46139	472.104	ug/l	99
14) Allyl chloride	4.491	41	276908	113.162	ug/l	100
15) Acrylonitrile	5.174	53	228150	575.756	ug/l	100
16) Acetone	3.954	43	207285	496.193	ug/l	100
17) Carbon Disulfide	4.204	76	483963	111.334	ug/l	99
18) Methyl Acetate	4.491	43	196139	120.142	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	466424	113.466	ug/l	100
20) Methylene Chloride	4.729	84	203175	108.755	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	201166	110.406	ug/l	98
22) Diisopropyl ether	6.131	45	626837	113.229	ug/l	95
23) Vinyl Acetate	6.070	43	1493744	570.502	ug/l	99
24) 1,1-Dichloroethane	6.033	63	359863	108.211	ug/l	98
25) 2-Butanone	6.996	43	305653	531.417	ug/l	99
26) 2,2-Dichloropropane	6.990	77	317302	109.337	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	232796	111.014	ug/l	99
28) Bromochloromethane	7.344	49	142018	107.897	ug/l	97
29) Tetrahydrofuran	7.356	42	185611	590.179	ug/l	99
30) Chloroform	7.515	83	369725	108.602	ug/l	99
31) Cyclohexane	7.795	56	309826	104.674	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	324718	108.662	ug/l	100
36) 1,1-Dichloropropene	7.929	75	285618	110.561	ug/l	100
37) Ethyl Acetate	7.082	43	127474	112.744	ug/l	100
38) Carbon Tetrachloride	7.911	117	283130	110.757	ug/l	99
39) Methylcyclohexane	9.191	83	352294	118.115	ug/l	98
40) Benzene	8.167	78	834472	111.002	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	62673	106.605	ug/l #	85
42) 1,2-Dichloroethane	8.246	62	218048	111.175	ug/l	99
43) Isopropyl Acetate	8.283	43	248770	115.676	ug/l	99
44) Trichloroethene	8.947	130	213366	111.201	ug/l	98
45) 1,2-Dichloropropane	9.222	63	207399	109.982	ug/l	99
46) Dibromomethane	9.313	93	109377	112.275	ug/l	99
47) Bromodichloromethane	9.502	83	284774	110.908	ug/l	97
48) Methyl methacrylate	9.295	41	145320	120.477	ug/l	99
49) 1,4-Dioxane	9.307	88	22111	2338.449	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	674161	588.349	ug/l	99
52) Toluene	10.252	92	518405	115.072	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	277320	118.447	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	324707	114.978	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	154592	111.223	ug/l	99
56) Ethyl methacrylate	10.514	69	153222	125.364	ug/l	98
57) 1,3-Dichloropropane	10.794	76	266292	112.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	398415	605.955	ug/l	100
59) 2-Hexanone	10.837	43	481710	563.790	ug/l	98
60) Dibromochloromethane	10.990	129	183012	113.821	ug/l	99
61) 1,2-Dibromoethane	11.093	107	141338	113.389	ug/l	99
64) Tetrachloroethene	10.727	164	166094	111.406	ug/l	99
65) Chlorobenzene	11.520	112	526206	111.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	198977	112.152	ug/l	99
67) Ethyl Benzene	11.599	91	1003804	115.657	ug/l	99
68) m/p-Xylenes	11.709	106	745789	232.699	ug/l	100
69) o-Xylene	12.038	106	349646	118.917	ug/l	100
70) Styrene	12.050	104	520549	119.644	ug/l	100
71) Bromoform	12.215	173	100661	113.804	ug/l #	97
73) Isopropylbenzene	12.337	105	942767	115.491	ug/l	100
74) N-amyl acetate	12.148	43	207061	120.520	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	175574	107.631	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	122140m	105.250	ug/l	
77) Bromobenzene	12.611	156	199274	111.898	ug/l	99
78) n-propylbenzene	12.678	91	1128747	114.126	ug/l	99
79) 2-Chlorotoluene	12.764	91	618123	112.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	748655	115.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	56301	114.113	ug/l	96
82) 4-Chlorotoluene	12.861	91	636684	113.400	ug/l	100
83) tert-Butylbenzene	13.081	119	652064	116.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	739219	116.015	ug/l	98
85) sec-Butylbenzene	13.257	105	947108	113.764	ug/l	99
86) p-Isopropyltoluene	13.373	119	815932	117.685	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	392892	112.891	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	374332	110.151	ug/l	99
89) n-Butylbenzene	13.703	91	770782	116.299	ug/l	100
90) Hexachloroethane	13.971	117	160768	111.359	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	331651	111.859	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22967	108.613	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	187368	119.099	ug/l	99
94) Hexachlorobutadiene	15.123	225	96935	108.483	ug/l	99
95) Naphthalene	15.245	128	376219	106.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	158391	118.214	ug/l	98

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

