

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033023\
 Data File : VY013141.D
 Acq On : 30 Mar 2023 09:51
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/31/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Mar 31 03:52:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 03:45:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	115162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	169671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6855	5.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.080%#		
35) Dibromofluoromethane	7.716	113	6232	5.158	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.320%#		
50) Toluene-d8	10.179	98	22644	4.965	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.920%#		
62) 4-Bromofluorobenzene	12.483	95	7519	5.065	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.120%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	5488	4.861	ug/l	98
3) Chloromethane	2.119	50	6609	5.614	ug/l	95
4) Vinyl Chloride	2.253	62	6508	5.514	ug/l #	86
5) Bromomethane	2.656	94	5110	6.134	ug/l	94
6) Chloroethane	2.796	64	4095	5.538	ug/l #	87
7) Trichlorofluoromethane	3.131	101	11172	5.318	ug/l	98
8) Diethyl Ether	3.534	74	3431	5.201	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	6268	5.412	ug/l	97
10) Methyl Iodide	4.095	142	6609	4.382	ug/l	94
11) Tert butyl alcohol	4.936	59	2937	26.330	ug/l #	77
12) 1,1-Dichloroethene	3.881	96	5890	5.261	ug/l	87
13) Acrolein	3.741	56	3951	25.240	ug/l	98
14) Allyl chloride	4.491	41	9368	4.911	ug/l	97
15) Acrylonitrile	5.168	53	8397	25.616	ug/l #	87
16) Acetone	3.954	43	9647	25.491	ug/l	98
17) Carbon Disulfide	4.198	76	19979	5.358	ug/l	100
18) Methyl Acetate	4.479	43	6051	5.074	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	13243	4.668	ug/l #	89
20) Methylene Chloride	4.723	84	11963	4.242	ug/l	99
21) trans-1,2-Dichloroethene	5.229	96	6694	5.306	ug/l	88
22) Diisopropyl ether	6.125	45	17948	4.816	ug/l	94
23) Vinyl Acetate	6.064	43	48118	22.703	ug/l	96
24) 1,1-Dichloroethane	6.015	63	11801	5.346	ug/l	97
25) 2-Butanone	6.990	43	11418	24.129	ug/l	98
26) 2,2-Dichloropropane	6.984	77	10359	5.218	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	6786	4.993	ug/l	98
28) Bromochloromethane	7.332	49	4800	5.068	ug/l #	93
29) Tetrahydrofuran	7.356	42	6573	23.465	ug/l	97
30) Chloroform	7.509	83	12618	5.520	ug/l	100
31) Cyclohexane	7.789	56	10769	5.330	ug/l #	63
32) 1,1,1-Trichloroethane	7.704	97	10372	5.132	ug/l	96
36) 1,1-Dichloropropene	7.917	75	8403	4.620	ug/l	97
37) Ethyl Acetate	7.082	43	5071	4.908	ug/l	99
38) Carbon Tetrachloride	7.899	117	9878	4.922	ug/l	97
39) Methylcyclohexane	9.185	83	9390	4.401	ug/l	96
40) Benzene	8.161	78	26070	4.963	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	2578	5.136	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	8497	5.279	ug/l	100
43) Isopropyl Acetate	8.277	43	8412	4.548	ug/l	94
44) Trichloroethene	8.935	130	7128	4.929	ug/l	90
45) 1,2-Dichloropropane	9.222	63	6769	5.146	ug/l	93
46) Dibromomethane	9.307	93	3846	5.089	ug/l	94
47) Bromodichloromethane	9.502	83	9153	5.020	ug/l #	97
48) Methyl methacrylate	9.295	41	3706	4.303	ug/l	96
49) 1,4-Dioxane	9.289	88	762	84.762	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	22090	22.132	ug/l	97
52) Toluene	10.246	92	15620	4.793	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	8802	4.723	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	10176	4.781	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	5195	4.973	ug/l	93
56) Ethyl methacrylate	10.508	69	5566	4.238	ug/l	98
57) 1,3-Dichloropropane	10.789	76	8654	4.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	13249	21.575	ug/l	99
59) 2-Hexanone	10.837	43	15255	21.133	ug/l	99
60) Dibromochloromethane	10.990	129	6542	4.986	ug/l	98
61) 1,2-Dibromoethane	11.093	107	5152	5.090	ug/l	96
64) Tetrachloroethene	10.721	164	6591	5.053	ug/l	96
65) Chlorobenzene	11.520	112	18521	5.142	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	6852	5.074	ug/l	97
67) Ethyl Benzene	11.593	91	28770	4.625	ug/l	97
68) m/p-Xylenes	11.709	106	21200	8.809	ug/l	98
69) o-Xylene	12.032	106	9716	4.353	ug/l	98
70) Styrene	12.050	104	16372	4.385	ug/l	99
71) Bromoform	12.209	173	3981	4.754	ug/l #	98
73) Isopropylbenzene	12.331	105	25644	4.289	ug/l	99
74) N-amyl acetate	12.148	43	6816	4.152	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	6118	4.885	ug/l	94
76) 1,2,3-Trichloropropane	12.636	75	4274m	4.394	ug/l	
77) Bromobenzene	12.611	156	6843	4.603	ug/l	96
78) n-propylbenzene	12.672	91	31756	4.320	ug/l	99
79) 2-Chlorotoluene	12.758	91	19364	4.642	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	21283	4.258	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	1924	4.410	ug/l	96
82) 4-Chlorotoluene	12.855	91	19407	4.470	ug/l	100
83) tert-Butylbenzene	13.075	119	17973	4.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	20421	4.172	ug/l	100
85) sec-Butylbenzene	13.258	105	28047	4.326	ug/l	98
86) p-Isopropyltoluene	13.373	119	22321	4.182	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	14588	4.951	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	15142	5.128	ug/l	96
89) n-Butylbenzene	13.697	91	21505	4.310	ug/l	99
90) Hexachloroethane	13.965	117	5388	4.846	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	13145	4.995	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	981	4.707	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	6630	4.320	ug/l	95
94) Hexachlorobutadiene	15.117	225	4528	4.797	ug/l	96
95) Naphthalene	15.239	128	10903	6.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	6038	4.466	ug/l	97

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

