

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022423\
 Data File : VY012715.D
 Acq On : 24 Feb 2023 11:43
 Operator : KP/MD
 Sample : VY0224SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/27/2023
 Supervised By :Mahesh Dadoda 02/27/2023

Quant Time: Feb 24 14:06:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	113947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	154957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61425	45.643	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.280%		
35) Dibromofluoromethane	7.716	113	57276	48.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.680%		
50) Toluene-d8	10.179	98	218038	49.114	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.483	95	71789	50.533	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22644	19.329	ug/l	97
3) Chloromethane	2.113	50	27555	17.313	ug/l	98
4) Vinyl Chloride	2.253	62	25982	20.072	ug/l	99
5) Bromomethane	2.643	94	15327	21.621	ug/l	94
6) Chloroethane	2.796	64	15438	18.736	ug/l	100
7) Trichlorofluoromethane	3.125	101	42702	20.466	ug/l	98
8) Diethyl Ether	3.533	74	14442	19.333	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	25836	20.720	ug/l	100
10) Methyl Iodide	4.094	142	31247	19.139	ug/l	99
11) Tert butyl alcohol	4.960	59	15019	102.023	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	25086	20.840	ug/l	99
13) Acrolein	3.735	56	17974	96.635	ug/l	99
14) Allyl chloride	4.485	41	46296	19.816	ug/l	100
15) Acrylonitrile	5.161	53	37183	93.560	ug/l	98
16) Acetone	3.948	43	40325	91.829	ug/l	97
17) Carbon Disulfide	4.198	76	80830	19.954	ug/l	99
18) Methyl Acetate	4.472	43	26551	18.769	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	61264	18.921	ug/l	100
20) Methylene Chloride	4.722	84	36513	23.459	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	27085	20.685	ug/l	97
22) Diisopropyl ether	6.118	45	88440	20.287	ug/l	97
23) Vinyl Acetate	6.064	43	257892	95.515	ug/l	100
24) 1,1-Dichloroethane	6.021	63	48829	20.199	ug/l	98
25) 2-Butanone	6.984	43	53833	92.365	ug/l	98
26) 2,2-Dichloropropane	6.984	77	42803	20.298	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	28925	20.190	ug/l	99
28) Bromochloromethane	7.338	49	19570	20.217	ug/l	96
29) Tetrahydrofuran	7.344	42	32923	92.525	ug/l	98
30) Chloroform	7.508	83	47223	20.161	ug/l	91
31) Cyclohexane	7.789	56	45584	19.497	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	42840	20.204	ug/l	99
36) 1,1-Dichloropropene	7.917	75	38412	20.451	ug/l	99
37) Ethyl Acetate	7.082	43	23135	18.254	ug/l	99
38) Carbon Tetrachloride	7.899	117	39882	20.535	ug/l	98
39) Methylcyclohexane	9.185	83	45025	20.781	ug/l	97
40) Benzene	8.161	78	108769	20.746	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	13001m	21.062	ug/l	
42) 1,2-Dichloroethane	8.240	62	31971	19.665	ug/l	99
43) Isopropyl Acetate	8.270	43	39848	18.194	ug/l	99
44) Trichloroethene	8.941	130	27912	20.591	ug/l	99
45) 1,2-Dichloropropane	9.215	63	27687	20.530	ug/l	99
46) Dibromomethane	9.307	93	15260	20.498	ug/l	98
47) Bromodichloromethane	9.496	83	36159	20.176	ug/l	98
48) Methyl methacrylate	9.295	41	18638	18.237	ug/l	98
49) 1,4-Dioxane	9.301	88	3496	343.223	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	111264	94.179	ug/l	100
52) Toluene	10.246	92	65257	21.007	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	36934	19.721	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	43465	20.510	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	20965	20.733	ug/l	95
56) Ethyl methacrylate	10.508	69	26077	18.884	ug/l	98
57) 1,3-Dichloropropane	10.788	76	35756	20.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	69413	92.002	ug/l	100
59) 2-Hexanone	10.831	43	79620	95.066	ug/l	98
60) Dibromochloromethane	10.983	129	24514	20.010	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19152	19.770	ug/l	99
64) Tetrachloroethene	10.721	164	23346	20.716	ug/l	97
65) Chlorobenzene	11.514	112	69048	20.779	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	25521	20.724	ug/l	99
67) Ethyl Benzene	11.593	91	122980	20.705	ug/l	99
68) m/p-Xylenes	11.703	106	97525	43.042	ug/l	97
69) o-Xylene	12.032	106	44162	21.043	ug/l	99
70) Styrene	12.044	104	74589	21.205	ug/l	99
71) Bromoform	12.209	173	15931	20.273	ug/l #	100
73) Isopropylbenzene	12.331	105	117853	20.348	ug/l	99
74) N-amyl acetate	12.142	43	34653	18.201	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25677	19.717	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	15794m	16.165	ug/l	
77) Bromobenzene	12.611	156	27708	19.966	ug/l	97
78) n-propylbenzene	12.672	91	147386	20.344	ug/l	99
79) 2-Chlorotoluene	12.757	91	80755	20.065	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	99376	20.540	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	8855	19.199	ug/l	97
82) 4-Chlorotoluene	12.855	91	84078	20.142	ug/l	99
83) tert-Butylbenzene	13.074	119	82860	20.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	96133	20.326	ug/l	98
85) sec-Butylbenzene	13.251	105	129183	20.552	ug/l	100
86) p-Isopropyltoluene	13.373	119	106294	20.533	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	55968	20.590	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	55294	20.060	ug/l	99
89) n-Butylbenzene	13.696	91	99501	20.070	ug/l	100
90) Hexachloroethane	13.965	117	21646	20.605	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	49523	20.400	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3955	18.476	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	29079	18.940	ug/l	99
94) Hexachlorobutadiene	15.111	225	17699	19.101	ug/l	99
95) Naphthalene	15.239	128	53774	17.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25254	18.583	ug/l	99

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

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