

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013616.D
 Acq On : 05 May 2023 11:37
 Operator : KP/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/08/2023
 Supervised By :Mahesh Dadoda 05/08/2023

Quant Time: May 08 00:23:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	252790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	374400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	343425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	143480	51.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.560%			
35) Dibromofluoromethane	7.716	113	124184	52.736	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.480%			
50) Toluene-d8	10.179	98	426511	50.914	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.483	95	160365	56.785	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55750	23.198	ug/l	98
3) Chloromethane	2.113	50	63201	19.619	ug/l	100
4) Vinyl Chloride	2.253	62	63513	19.801	ug/l	99
5) Bromomethane	2.656	94	52521	20.548	ug/l	96
6) Chloroethane	2.790	64	44699	20.172	ug/l	95
7) Trichlorofluoromethane	3.125	101	110098	22.658	ug/l	100
8) Diethyl Ether	3.528	74	35225	21.288	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	60012	22.019	ug/l	99
10) Methyl Iodide	4.088	142	60689	17.729	ug/l	97
11) Tert butyl alcohol	4.991	59	34646m	111.362	ug/l	
12) 1,1-Dichloroethene	3.869	96	55420	21.095	ug/l	96
13) Acrolein	3.729	56	25825	101.396	ug/l	98
14) Allyl chloride	4.479	41	97768	20.056	ug/l	97
15) Acrylonitrile	5.168	53	104971	113.277	ug/l	100
16) Acetone	3.954	43	118815	108.875	ug/l	92
17) Carbon Disulfide	4.192	76	166673	19.530	ug/l	100
18) Methyl Acetate	4.479	43	79062	21.935	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	162464	21.420	ug/l	97
20) Methylene Chloride	4.716	84	82763	19.230	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	61186	21.301	ug/l	96
22) Diisopropyl ether	6.119	45	204699	21.484	ug/l	92
23) Vinyl Acetate	6.058	43	625761	115.994	ug/l	98
24) 1,1-Dichloroethane	6.015	63	114283	21.521	ug/l	98
25) 2-Butanone	6.990	43	152119	109.912	ug/l	94
26) 2,2-Dichloropropane	6.978	77	103110	22.533	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	69521	21.905	ug/l	96
28) Bromochloromethane	7.332	49	40753	21.626	ug/l	85
29) Tetrahydrofuran	7.356	42	94410	109.586	ug/l	93
30) Chloroform	7.509	83	121203	22.956	ug/l	97
31) Cyclohexane	7.783	56	99063	19.966	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	109075	23.151	ug/l	98
36) 1,1-Dichloropropene	7.917	75	87591	22.413	ug/l	98
37) Ethyl Acetate	7.076	43	69897	23.766	ug/l	96
38) Carbon Tetrachloride	7.899	117	100830	24.616	ug/l	98
39) Methylcyclohexane	9.185	83	101740	22.082	ug/l	98
40) Benzene	8.161	78	255864	23.242	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	34576	25.229	ug/l	95
42) 1,2-Dichloroethane	8.234	62	88742	24.657	ug/l	98
43) Isopropyl Acetate	8.271	43	111274	22.416	ug/l	99
44) Trichloroethene	8.941	130	67046	22.896	ug/l	98
45) 1,2-Dichloropropane	9.216	63	65286	22.681	ug/l	97
46) Dibromomethane	9.307	93	40003	23.227	ug/l	98
47) Bromodichloromethane	9.496	83	92829	24.088	ug/l	97
48) Methyl methacrylate	9.289	41	53292	23.375	ug/l	93
49) 1,4-Dioxane	9.313	88	12184	495.338	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	331186	119.725	ug/l	97
52) Toluene	10.246	92	160437	24.218	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	96333	23.619	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	106325	23.168	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	55447	24.311	ug/l	98
56) Ethyl methacrylate	10.508	69	73635	23.271	ug/l	92
57) 1,3-Dichloropropane	10.788	76	93064	24.093	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	154721	130.398	ug/l	95
59) 2-Hexanone	10.831	43	248569	123.616	ug/l	96
60) Dibromochloromethane	10.984	129	67959	24.540	ug/l	99
61) 1,2-Dibromoethane	11.087	107	53499	23.858	ug/l	100
64) Tetrachloroethene	10.721	164	60699	23.244	ug/l	97
65) Chlorobenzene	11.514	112	168114	22.472	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	67002	23.947	ug/l	99
67) Ethyl Benzene	11.593	91	298615	22.731	ug/l	99
68) m/p-Xylenes	11.703	106	234664	46.989	ug/l	97
69) o-Xylene	12.026	106	107872	22.839	ug/l	97
70) Styrene	12.044	104	188414	23.859	ug/l	99
71) Bromoform	12.209	173	47535	24.255	ug/l #	98
73) Isopropylbenzene	12.331	105	292571	21.302	ug/l	99
74) N-amyl acetate	12.142	43	99158	20.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	72607	21.628	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	55225m	22.551	ug/l	
77) Bromobenzene	12.611	156	74430	22.365	ug/l	93
78) n-propylbenzene	12.672	91	365149	21.584	ug/l	99
79) 2-Chlorotoluene	12.758	91	203004	21.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	249138	22.224	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	25249	21.090	ug/l	96
82) 4-Chlorotoluene	12.855	91	215144	21.850	ug/l	98
83) tert-Butylbenzene	13.075	119	213196	21.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	245295	22.506	ug/l	99
85) sec-Butylbenzene	13.251	105	324371	22.254	ug/l	98
86) p-Isopropyltoluene	13.367	119	264450	22.561	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	144759	22.832	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	145999	22.796	ug/l	100
89) n-Butylbenzene	13.697	91	251581	21.990	ug/l	98
90) Hexachloroethane	13.959	117	53316	21.612	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	131104	22.898	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13027	21.972	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	82130	24.060	ug/l	96
94) Hexachlorobutadiene	15.111	225	51284	25.814	ug/l	99
95) Naphthalene	15.233	128	167806	22.657	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	74186	24.383	ug/l	97

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

