

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013190.D
 Acq On : 04 Apr 2023 15:31
 Operator : KP/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/05/2023
 Supervised By :Mahesh Dadoda 04/05/2023

Quant Time: Apr 05 02:16:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	96255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	139329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58654	56.701	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.400%			
35) Dibromofluoromethane	7.716	113	50904	51.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.660%			
50) Toluene-d8	10.179	98	192023	51.786	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.477	95	64840	53.721	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19058	20.197	ug/l	93
3) Chloromethane	2.113	50	21913	22.269	ug/l	96
4) Vinyl Chloride	2.247	62	22205	22.507	ug/l	98
5) Bromomethane	2.643	94	16688	23.969	ug/l	92
6) Chloroethane	2.790	64	14434	23.356	ug/l	99
7) Trichlorofluoromethane	3.119	101	33811	19.256	ug/l	99
8) Diethyl Ether	3.527	74	12045	21.846	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	19510	20.154	ug/l	98
10) Methyl Iodide	4.088	142	23576	18.703	ug/l	97
11) Tert butyl alcohol	4.954	59	13445	144.209	ug/l	99
12) 1,1-Dichloroethene	3.869	96	18585	19.860	ug/l	99
13) Acrolein	3.722	56	14684	112.231	ug/l	98
14) Allyl chloride	4.472	41	35769	22.433	ug/l	94
15) Acrylonitrile	5.155	53	34063	124.325	ug/l	98
16) Acetone	3.942	43	38483	121.660	ug/l	99
17) Carbon Disulfide	4.186	76	56591	18.159	ug/l	96
18) Methyl Acetate	4.472	43	26295	26.383	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	55500	23.405	ug/l	98
20) Methylene Chloride	4.710	84	34880	29.770	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	21166	20.074	ug/l	97
22) Diisopropyl ether	6.112	45	75691	24.298	ug/l	95
23) Vinyl Acetate	6.057	43	223955	126.422	ug/l	99
24) 1,1-Dichloroethane	6.015	63	40724	22.073	ug/l	99
25) 2-Butanone	6.984	43	52661	133.143	ug/l	95
26) 2,2-Dichloropropane	6.984	77	36084	21.745	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	23765	20.922	ug/l	97
28) Bromochloromethane	7.332	49	18668	23.581	ug/l	95
29) Tetrahydrofuran	7.344	42	31602	134.973	ug/l	96
30) Chloroform	7.502	83	40173	21.027	ug/l	99
31) Cyclohexane	7.783	56	34863	20.644	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	35471	20.999	ug/l	98
36) 1,1-Dichloropropene	7.917	75	29437	19.908	ug/l	99
37) Ethyl Acetate	7.069	43	21914	26.089	ug/l	97
38) Carbon Tetrachloride	7.899	117	32475	19.905	ug/l	99
39) Methylcyclohexane	9.179	83	34001	19.600	ug/l	92
40) Benzene	8.155	78	86507	20.255	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9705m	26.044	ug/l	
42) 1,2-Dichloroethane	8.234	62	29598	22.620	ug/l	99
43) Isopropyl Acetate	8.270	43	37407	24.879	ug/l	99
44) Trichloroethene	8.935	130	22980	19.546	ug/l	99
45) 1,2-Dichloropropane	9.215	63	23311	21.797	ug/l	99
46) Dibromomethane	9.301	93	13390	21.795	ug/l	98
47) Bromodichloromethane	9.496	83	32399	21.856	ug/l	99
48) Methyl methacrylate	9.289	41	17086	24.400	ug/l	96
49) 1,4-Dioxane	9.301	88	3265	446.733	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	108220	133.367	ug/l	96
52) Toluene	10.240	92	54979	20.753	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	32586	21.507	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	36326	20.992	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	18144	21.366	ug/l	97
56) Ethyl methacrylate	10.508	69	24215	22.679	ug/l	96
57) 1,3-Dichloropropane	10.788	76	31558	22.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	60646	121.475	ug/l	99
59) 2-Hexanone	10.831	43	78261	133.356	ug/l	97
60) Dibromochloromethane	10.983	129	22646	21.232	ug/l	100
61) 1,2-Dibromoethane	11.087	107	17810	21.645	ug/l	99
64) Tetrachloroethene	10.721	164	21033	19.636	ug/l	93
65) Chlorobenzene	11.514	112	60275	20.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	22903	20.654	ug/l	99
67) Ethyl Benzene	11.593	91	103003	20.163	ug/l	98
68) m/p-Xylenes	11.703	106	80992	40.984	ug/l	100
69) o-Xylene	12.026	106	37746	20.592	ug/l	97
70) Styrene	12.044	104	64139	20.917	ug/l	99
71) Bromoform	12.203	173	14626	21.271	ug/l #	99
73) Isopropylbenzene	12.331	105	98875	19.993	ug/l	99
74) N-amyl acetate	12.142	43	32836	24.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	23091	22.290	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	17700m	21.991	ug/l	
77) Bromobenzene	12.605	156	24820	20.186	ug/l	99
78) n-propylbenzene	12.666	91	124407	20.459	ug/l	100
79) 2-Chlorotoluene	12.757	91	69873	20.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	84782	20.505	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	7774	21.540	ug/l	90
82) 4-Chlorotoluene	12.855	91	73769	20.542	ug/l	99
83) tert-Butylbenzene	13.074	119	72383	20.381	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	82018	20.255	ug/l	99
85) sec-Butylbenzene	13.251	105	107614	20.068	ug/l	100
86) p-Isopropyltoluene	13.367	119	90886	20.588	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	48929	20.074	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	49007	20.065	ug/l	98
89) n-Butylbenzene	13.696	91	83086	20.133	ug/l	98
90) Hexachloroethane	13.958	117	18142	19.728	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	42917	19.716	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4151	24.080	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	25863	20.374	ug/l	99
94) Hexachlorobutadiene	15.111	225	15917	20.388	ug/l	99
95) Naphthalene	15.233	128	49370	20.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	22730	20.324	ug/l	99

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

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