

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012888.D
 Acq On : 09 Mar 2023 10:57
 Operator : KP/MD
 Sample : VY0309SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/10/2023
 Supervised By :Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 00:26:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	105377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	158561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	143164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	47373	45.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.560%		
35) Dibromofluoromethane	7.716	113	46914	49.026	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.060%		
50) Toluene-d8	10.179	98	161381	46.131	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.483	95	56882	48.174	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22719	21.874	ug/l	99
3) Chloromethane	2.113	50	25160	20.263	ug/l	99
4) Vinyl Chloride	2.253	62	23701	20.815	ug/l	100
5) Bromomethane	2.643	94	14567	21.055	ug/l	95
6) Chloroethane	2.796	64	14749	21.629	ug/l	96
7) Trichlorofluoromethane	3.125	101	41769	22.087	ug/l	98
8) Diethyl Ether	3.527	74	13287	20.049	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	25308	22.243	ug/l	99
10) Methyl Iodide	4.088	142	29416	19.842	ug/l	96
11) Tert butyl alcohol	4.954	59	16931	131.129	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	23232	21.409	ug/l	98
13) Acrolein	3.729	56	16902	92.208	ug/l	100
14) Allyl chloride	4.479	41	39756	19.834	ug/l	97
15) Acrylonitrile	5.161	53	37607	107.699	ug/l	98
16) Acetone	3.942	43	41770	101.713	ug/l	96
17) Carbon Disulfide	4.192	76	76761	20.782	ug/l	99
18) Methyl Acetate	4.472	43	25266	20.660	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	58397	20.835	ug/l	100
20) Methylene Chloride	4.710	84	30666	21.398	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	24904	21.119	ug/l	99
22) Diisopropyl ether	6.118	45	74555	20.478	ug/l	97
23) Vinyl Acetate	6.058	43	233601	103.266	ug/l	98
24) 1,1-Dichloroethane	6.015	63	43506	20.971	ug/l	98
25) 2-Butanone	6.984	43	54582	107.309	ug/l	96
26) 2,2-Dichloropropane	6.984	77	39793	21.596	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	27280	21.577	ug/l	97
28) Bromochloromethane	7.332	49	15689	20.694	ug/l	98
29) Tetrahydrofuran	7.344	42	32555	106.121	ug/l	96
30) Chloroform	7.502	83	44226	21.582	ug/l	98
31) Cyclohexane	7.783	56	40494	20.209	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	39550	21.342	ug/l	97
36) 1,1-Dichloropropene	7.917	75	34664	21.617	ug/l	99
37) Ethyl Acetate	7.070	43	21738	21.508	ug/l	99
38) Carbon Tetrachloride	7.899	117	37836	22.848	ug/l	98
39) Methylcyclohexane	9.185	83	40678	21.337	ug/l	97
40) Benzene	8.161	78	100433	22.141	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11209m	20.584	ug/l	
42) 1,2-Dichloroethane	8.234	62	30463	22.338	ug/l	100
43) Isopropyl Acetate	8.271	43	37556	20.827	ug/l	98
44) Trichloroethene	8.941	130	26829	22.433	ug/l	93
45) 1,2-Dichloropropane	9.215	63	24500	21.372	ug/l	96
46) Dibromomethane	9.307	93	14699	22.506	ug/l	97
47) Bromodichloromethane	9.496	83	33912	22.034	ug/l	98
48) Methyl methacrylate	9.289	41	17218	20.723	ug/l	93
49) 1,4-Dioxane	9.307	88	3861	457.305	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	108841	111.274	ug/l	98
52) Toluene	10.246	92	62308	22.776	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35363	21.906	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	40591	22.215	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20512	22.552	ug/l	98
56) Ethyl methacrylate	10.508	69	26848	22.138	ug/l	95
57) 1,3-Dichloropropane	10.788	76	35216	22.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	69997	109.945	ug/l	99
59) 2-Hexanone	10.831	43	80488	113.221	ug/l	99
60) Dibromochloromethane	10.983	129	25312	22.862	ug/l	98
61) 1,2-Dibromoethane	11.087	107	19880	22.690	ug/l	99
64) Tetrachloroethene	10.721	164	23155	22.214	ug/l	98
65) Chlorobenzene	11.514	112	65449	21.782	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	24811	22.316	ug/l	99
67) Ethyl Benzene	11.593	91	115084	21.785	ug/l	97
68) m/p-Xylenes	11.703	106	90760	44.660	ug/l	100
69) o-Xylene	12.032	106	41609	21.938	ug/l	98
70) Styrene	12.044	104	71101	22.464	ug/l	100
71) Bromoform	12.209	173	16341	22.542	ug/l #	99
73) Isopropylbenzene	12.331	105	111075	20.952	ug/l	100
74) N-amyl acetate	12.142	43	33879	20.311	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	25508	21.404	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	19023m	21.296	ug/l	
77) Bromobenzene	12.611	156	27512	21.362	ug/l	98
78) n-propylbenzene	12.672	91	139599	21.358	ug/l	100
79) 2-Chlorotoluene	12.758	91	76878	21.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	94573	21.616	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9057	21.008	ug/l	99
82) 4-Chlorotoluene	12.855	91	81037	21.550	ug/l	100
83) tert-Butylbenzene	13.075	119	80893	21.422	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	92296	21.574	ug/l	99
85) sec-Butylbenzene	13.251	105	123274	21.399	ug/l	100
86) p-Isopropyltoluene	13.367	119	103764	22.039	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54219	21.828	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	53720	21.191	ug/l	96
89) n-Butylbenzene	13.696	91	96968	21.513	ug/l	100
90) Hexachloroethane	13.959	117	21219	21.638	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	48883	21.771	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4064	21.101	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	28553	20.653	ug/l	98
94) Hexachlorobutadiene	15.111	225	17641	20.921	ug/l	100
95) Naphthalene	15.233	128	56438	20.372	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25484	20.726	ug/l	98

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

