

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031023\
 Data File : VY012911.D
 Acq On : 10 Mar 2023 11:23
 Operator : KP/MD
 Sample : VY0310SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 11 05:45:35 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	101141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	139704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	47127	46.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.860%		
35) Dibromofluoromethane	7.716	113	45680	49.703	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.400%		
50) Toluene-d8	10.179	98	158381	47.139	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.280%		
62) 4-Bromofluorobenzene	12.483	95	56757	50.048	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	22788	22.859	ug/l	100
3) Chloromethane	2.113	50	24576	20.621	ug/l	100
4) Vinyl Chloride	2.253	62	23667	21.656	ug/l	100
5) Bromomethane	2.644	94	14327	21.575	ug/l	88
6) Chloroethane	2.790	64	14537	22.211	ug/l	94
7) Trichlorofluoromethane	3.131	101	40860	22.511	ug/l	98
8) Diethyl Ether	3.527	74	13760	21.633	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	24061	22.033	ug/l	98
10) Methyl Iodide	4.094	142	29906	21.018	ug/l	99
11) Tert butyl alcohol	4.954	59	16593	134.356	ug/l	95
12) 1,1-Dichloroethene	3.875	96	22663	21.760	ug/l	94
13) Acrolein	3.729	56	16720	95.035	ug/l	99
14) Allyl chloride	4.479	41	35633	18.521	ug/l	94
15) Acrylonitrile	5.161	53	38344	114.409	ug/l	99
16) Acetone	3.948	43	41674	105.730	ug/l	98
17) Carbon Disulfide	4.192	76	72489	20.447	ug/l	99
18) Methyl Acetate	4.479	43	24763	21.097	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	58880	21.887	ug/l	98
20) Methylene Chloride	4.722	84	29136	21.121	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	24122	21.312	ug/l	93
22) Diisopropyl ether	6.118	45	75519	21.612	ug/l	93
23) Vinyl Acetate	6.058	43	235450	108.443	ug/l	99
24) 1,1-Dichloroethane	6.015	63	43555	21.874	ug/l	99
25) 2-Butanone	6.984	43	54339	111.306	ug/l	98
26) 2,2-Dichloropropane	6.984	77	38717	21.893	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	26852	22.128	ug/l	99
28) Bromochloromethane	7.332	49	16366	22.491	ug/l	100
29) Tetrahydrofuran	7.350	42	33981	115.409	ug/l	98
30) Chloroform	7.508	83	44727	22.741	ug/l	95
31) Cyclohexane	7.789	56	38271	19.899	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	39986	22.481	ug/l	99
36) 1,1-Dichloropropene	7.917	75	33540	21.777	ug/l	99
37) Ethyl Acetate	7.070	43	22741	23.427	ug/l	99
38) Carbon Tetrachloride	7.899	117	36605	23.016	ug/l	94
39) Methylcyclohexane	9.185	83	39226	21.423	ug/l	98
40) Benzene	8.161	78	97468	22.372	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11189m	21.394	ug/l	
42) 1,2-Dichloroethane	8.240	62	30496	23.283	ug/l	99
43) Isopropyl Acetate	8.271	43	38982	22.508	ug/l	98
44) Trichloroethene	8.941	130	26166	22.780	ug/l	99
45) 1,2-Dichloropropane	9.216	63	24020	21.816	ug/l	98
46) Dibromomethane	9.307	93	14916	23.780	ug/l	98
47) Bromodichloromethane	9.496	83	33702	22.800	ug/l	99
48) Methyl methacrylate	9.289	41	18345	22.988	ug/l	99
49) 1,4-Dioxane	9.295	88	4291	529.170	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	111071	118.231	ug/l	99
52) Toluene	10.246	92	61136	23.269	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35387	22.824	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	39328	22.410	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20231	23.159	ug/l	96
56) Ethyl methacrylate	10.508	69	26565	22.807	ug/l	98
57) 1,3-Dichloropropane	10.794	76	34577	23.239	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	69744	114.060	ug/l	99
59) 2-Hexanone	10.831	43	80479	117.871	ug/l	99
60) Dibromochloromethane	10.983	129	25361	23.850	ug/l	99
61) 1,2-Dibromoethane	11.087	107	19519	23.196	ug/l	98
64) Tetrachloroethene	10.721	164	22793	22.409	ug/l	98
65) Chlorobenzene	11.520	112	63900	21.794	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	24312	22.408	ug/l	99
67) Ethyl Benzene	11.593	91	112883	21.898	ug/l	99
68) m/p-Xylenes	11.703	106	88710	44.733	ug/l	99
69) o-Xylene	12.032	106	40779	22.033	ug/l	100
70) Styrene	12.044	104	70477	22.818	ug/l	99
71) Bromoform	12.209	173	16488	23.308	ug/l #	98
73) Isopropylbenzene	12.331	105	110409	21.396	ug/l	100
74) N-amyl acetate	12.142	43	34031	20.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	26299	22.672	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	19632m	22.579	ug/l	
77) Bromobenzene	12.611	156	27151	21.659	ug/l	97
78) n-propylbenzene	12.672	91	137305	21.582	ug/l	100
79) 2-Chlorotoluene	12.758	91	75219	21.273	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	93257	21.899	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9122	21.738	ug/l	98
82) 4-Chlorotoluene	12.855	91	80464	21.984	ug/l	99
83) tert-Butylbenzene	13.075	119	79082	21.515	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	91259	21.915	ug/l	100
85) sec-Butylbenzene	13.251	105	121897	21.739	ug/l	99
86) p-Isopropyltoluene	13.367	119	100705	21.974	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	54461	22.526	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	53794	21.801	ug/l	98
89) n-Butylbenzene	13.696	91	92812	21.155	ug/l	99
90) Hexachloroethane	13.959	117	20260	21.226	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	49064	22.449	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4320	23.044	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	29117	21.638	ug/l	98
94) Hexachlorobutadiene	15.111	225	17814	21.705	ug/l	99
95) Naphthalene	15.239	128	57175	21.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25534	21.336	ug/l	99

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

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