

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012840.D
 Acq On : 07 Mar 2023 12:39
 Operator : KP/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/08/2023
 Supervised By :Mahesh Dadoda 03/08/2023

Quant Time: Mar 07 12:54:06 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	104270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	157572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	144230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	50645	48.920	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.840%			
35) Dibromofluoromethane	7.716	113	49715	52.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.560%			
50) Toluene-d8	10.179	98	176112	50.658	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.320%			
62) 4-Bromofluorobenzene	12.483	95	61395	52.323	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23596	22.959	ug/l	95
3) Chloromethane	2.113	50	26109	21.250	ug/l	99
4) Vinyl Chloride	2.253	62	24691	21.915	ug/l	98
5) Bromomethane	2.638	94	14990	21.896	ug/l	93
6) Chloroethane	2.790	64	15283	22.650	ug/l	100
7) Trichlorofluoromethane	3.125	101	40782	21.794	ug/l	96
8) Diethyl Ether	3.528	74	13697	20.887	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	25047	22.248	ug/l	98
10) Methyl Iodide	4.088	142	30915	21.075	ug/l	99
11) Tert butyl alcohol	4.948	59	14673	112.126	ug/l	98
12) 1,1-Dichloroethene	3.869	96	22877	21.306	ug/l	95
13) Acrolein	3.729	56	17893	98.650	ug/l	100
14) Allyl chloride	4.479	41	38082	19.200	ug/l	98
15) Acrylonitrile	5.161	53	36755	106.377	ug/l	100
16) Acetone	3.948	43	40891	100.630	ug/l	95
17) Carbon Disulfide	4.192	76	76675	20.979	ug/l	98
18) Methyl Acetate	4.473	43	23951	19.793	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	57901	20.877	ug/l	96
20) Methylene Chloride	4.710	84	30674	21.696	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	25200	21.597	ug/l	97
22) Diisopropyl ether	6.119	45	74363	20.642	ug/l	97
23) Vinyl Acetate	6.058	43	233311	104.233	ug/l	98
24) 1,1-Dichloroethane	6.021	63	44349	21.604	ug/l	99
25) 2-Butanone	6.984	43	52169	103.654	ug/l	100
26) 2,2-Dichloropropane	6.978	77	39037	21.411	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	27009	21.590	ug/l	98
28) Bromochloromethane	7.332	49	15960	21.275	ug/l	95
29) Tetrahydrofuran	7.344	42	32169	105.976	ug/l	98
30) Chloroform	7.509	83	44694	22.042	ug/l	96
31) Cyclohexane	7.783	56	40645	20.500	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	39658	21.627	ug/l	99
36) 1,1-Dichloropropene	7.917	75	34639	21.737	ug/l	98
37) Ethyl Acetate	7.070	43	20497	20.407	ug/l	96
38) Carbon Tetrachloride	7.905	117	36871	22.406	ug/l	98
39) Methylcyclohexane	9.185	83	39961	21.092	ug/l	96
40) Benzene	8.161	78	98710	21.898	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	11007m	20.340	ug/l	
42) 1,2-Dichloroethane	8.234	62	29921	22.078	ug/l	100
43) Isopropyl Acetate	8.271	43	37173	20.744	ug/l	97
44) Trichloroethene	8.941	130	26474	22.275	ug/l	96
45) 1,2-Dichloropropane	9.216	63	25005	21.949	ug/l	99
46) Dibromomethane	9.307	93	14727	22.691	ug/l	99
47) Bromodichloromethane	9.496	83	33702	22.035	ug/l	97
48) Methyl methacrylate	9.289	41	17147	20.767	ug/l	95
49) 1,4-Dioxane	9.301	88	4274	509.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	107489	110.581	ug/l	99
52) Toluene	10.246	92	62778	23.092	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	35383	22.056	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	39698	21.863	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	20370	22.537	ug/l	97
56) Ethyl methacrylate	10.508	69	26346	21.860	ug/l	96
57) 1,3-Dichloropropane	10.795	76	34466	22.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	70911	112.080	ug/l	99
59) 2-Hexanone	10.831	43	78564	111.208	ug/l	99
60) Dibromochloromethane	10.984	129	24924	22.653	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20231	23.236	ug/l	97
64) Tetrachloroethene	10.721	164	23096	21.994	ug/l	98
65) Chlorobenzene	11.514	112	66394	21.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	25076	22.387	ug/l	99
67) Ethyl Benzene	11.593	91	114262	21.470	ug/l	98
68) m/p-Xylenes	11.703	106	90618	44.261	ug/l	99
69) o-Xylene	12.032	106	41730	21.839	ug/l	96
70) Styrene	12.044	104	71180	22.323	ug/l	99
71) Bromoform	12.209	173	16683	22.844	ug/l #	98
73) Isopropylbenzene	12.331	105	110603	20.365	ug/l	100
74) N-amyl acetate	12.142	43	32718	19.147	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	25884	21.201	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	23855m	26.068	ug/l	
77) Bromobenzene	12.611	156	27343	20.724	ug/l	97
78) n-propylbenzene	12.672	91	140298	20.953	ug/l	100
79) 2-Chlorotoluene	12.758	91	76974	20.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	93399	20.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8669	19.628	ug/l	98
82) 4-Chlorotoluene	12.855	91	82106	21.314	ug/l	98
83) tert-Butylbenzene	13.075	119	80127	20.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	93879	21.420	ug/l	99
85) sec-Butylbenzene	13.258	105	123525	20.930	ug/l	99
86) p-Isopropyltoluene	13.373	119	101944	21.135	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54934	21.588	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	55234	21.268	ug/l	99
89) n-Butylbenzene	13.697	91	95910	20.771	ug/l	100
90) Hexachloroethane	13.965	117	21223	21.126	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	49541	21.537	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4065	20.602	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	29271	20.667	ug/l	100
94) Hexachlorobutadiene	15.111	225	17757	20.556	ug/l	98
95) Naphthalene	15.239	128	57986	20.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26375	20.939	ug/l	100

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

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