

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012814.D
 Acq On : 06 Mar 2023 11:41
 Operator : KP/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/07/2023
 Supervised By :Mahesh Dadoda 03/07/2023

Quant Time: Mar 06 14:13:43 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	108573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	164292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	49228	45.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.340%		
35) Dibromofluoromethane	7.716	113	48525	48.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.880%		
50) Toluene-d8	10.179	98	171949	47.438	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.880%		
62) 4-Bromofluorobenzene	12.483	95	60090	49.116	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23274	21.748	ug/l	97
3) Chloromethane	2.113	50	25054	19.583	ug/l	98
4) Vinyl Chloride	2.253	62	24357	20.762	ug/l	99
5) Bromomethane	2.643	94	15133	21.229	ug/l	92
6) Chloroethane	2.790	64	14670	20.880	ug/l	93
7) Trichlorofluoromethane	3.125	101	41035	21.060	ug/l	99
8) Diethyl Ether	3.527	74	13818	20.237	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	24493	20.893	ug/l	98
10) Methyl Iodide	4.094	142	31140	20.387	ug/l	98
11) Tert butyl alcohol	4.948	59	15951	118.026	ug/l	95
12) 1,1-Dichloroethene	3.875	96	23288	20.829	ug/l	95
13) Acrolein	3.729	56	17520	92.766	ug/l	100
14) Allyl chloride	4.479	41	39045	18.906	ug/l	97
15) Acrylonitrile	5.155	53	35216	97.883	ug/l	100
16) Acetone	3.948	43	40167	94.931	ug/l	97
17) Carbon Disulfide	4.198	76	78816	20.710	ug/l	99
18) Methyl Acetate	4.472	43	23800	18.888	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	57174	19.798	ug/l	98
20) Methylene Chloride	4.716	84	31103	20.970	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	25159	20.707	ug/l	99
22) Diisopropyl ether	6.118	45	73520	19.599	ug/l	98
23) Vinyl Acetate	6.057	43	226949	97.372	ug/l	99
24) 1,1-Dichloroethane	6.021	63	42884	20.063	ug/l	98
25) 2-Butanone	6.984	43	50454	96.274	ug/l	97
26) 2,2-Dichloropropane	6.978	77	39209	20.653	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	26859	20.619	ug/l	99
28) Bromochloromethane	7.332	49	15849	20.290	ug/l	93
29) Tetrahydrofuran	7.350	42	30361	96.056	ug/l	96
30) Chloroform	7.508	83	44287	20.976	ug/l	97
31) Cyclohexane	7.783	56	40318	19.529	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	39256	20.560	ug/l	97
36) 1,1-Dichloropropene	7.917	75	34109	20.529	ug/l	100
37) Ethyl Acetate	7.069	43	21255	20.296	ug/l	100
38) Carbon Tetrachloride	7.899	117	37431	21.815	ug/l	99
39) Methylcyclohexane	9.185	83	40091	20.296	ug/l	100
40) Benzene	8.161	78	99821	21.238	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10822m	19.180	ug/l	
42) 1,2-Dichloroethane	8.234	62	29642	20.977	ug/l	99
43) Isopropyl Acetate	8.271	43	36368	19.465	ug/l	97
44) Trichloroethene	8.941	130	26844	21.663	ug/l	96
45) 1,2-Dichloropropane	9.215	63	24739	20.827	ug/l	94
46) Dibromomethane	9.307	93	14303	21.136	ug/l	96
47) Bromodichloromethane	9.496	83	33205	20.822	ug/l #	96
48) Methyl methacrylate	9.289	41	16903	19.634	ug/l	96
49) 1,4-Dioxane	9.301	88	3957	452.327	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	102935	101.565	ug/l	98
52) Toluene	10.246	92	61415	21.667	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	35283	21.094	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	39627	20.931	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	20279	21.518	ug/l	98
56) Ethyl methacrylate	10.508	69	25939	20.642	ug/l	98
57) 1,3-Dichloropropane	10.788	76	33633	20.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	68885	104.424	ug/l	99
59) 2-Hexanone	10.831	43	75570	102.595	ug/l	97
60) Dibromochloromethane	10.983	129	24651	21.488	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19637	21.631	ug/l	97
64) Tetrachloroethene	10.721	164	23191	21.361	ug/l	93
65) Chlorobenzene	11.514	112	66324	21.193	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	25453	21.979	ug/l	97
67) Ethyl Benzene	11.593	91	114872	20.877	ug/l	100
68) m/p-Xylenes	11.703	106	90651	42.827	ug/l	99
69) o-Xylene	12.026	106	40999	20.754	ug/l	99
70) Styrene	12.044	104	71505	21.690	ug/l	100
71) Bromoform	12.209	173	16193	21.446	ug/l #	99
73) Isopropylbenzene	12.331	105	113041	20.476	ug/l	99
74) N-amyl acetate	12.142	43	32584	18.758	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	25770	20.765	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	18777m	20.185	ug/l	
77) Bromobenzene	12.611	156	27880	20.788	ug/l	96
78) n-propylbenzene	12.672	91	138398	20.333	ug/l	100
79) 2-Chlorotoluene	12.758	91	77314	20.438	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	95206	20.896	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9004	20.056	ug/l	98
82) 4-Chlorotoluene	12.855	91	80383	20.527	ug/l	100
83) tert-Butylbenzene	13.075	119	80616	20.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	92839	20.839	ug/l	99
85) sec-Butylbenzene	13.251	105	123139	20.526	ug/l	99
86) p-Isopropyltoluene	13.367	119	103357	21.080	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55984	21.643	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	54669	20.708	ug/l	98
89) n-Butylbenzene	13.696	91	95995	20.451	ug/l	99
90) Hexachloroethane	13.959	117	21207	20.767	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	48597	20.783	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4029	20.088	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	29683	20.618	ug/l	99
94) Hexachlorobutadiene	15.111	225	18580	21.159	ug/l	98
95) Naphthalene	15.239	128	56901	19.723	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	26069	20.360	ug/l	99

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

