

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
 Data File : VY008325.D
 Acq On : 14 Apr 2022 13:28
 Operator : KP/MD
 Sample : VY0414SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/15/2022

Quant Time: Apr 15 06:13:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

04/15/2022
 Supervised By :Mahesh
 Dadoda

04/15/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	141203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	245964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	225135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106894	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.136	65	58640	44.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.420%
35) Dibromofluoromethane	7.716	113	62052	43.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.360%
50) Toluene-d8	10.179	98	221446	45.554	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.100%
62) 4-Bromofluorobenzene	12.483	95	81049	44.328	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.660%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.900	85	19439	16.624	ug/l	100
3) Chloromethane	2.113	50	26834	16.531	ug/l	90
4) Vinyl Chloride	2.247	62	36018	17.905	ug/l	93
5) Bromomethane	2.637	94	34451	19.253	ug/l	98
6) Chloroethane	2.790	64	26371	18.717	ug/l	98
7) Trichlorofluoromethane	3.119	101	42554	17.778	ug/l	97
8) Diethyl Ether	3.521	74	13971	16.151	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	26009	16.728	ug/l	94
10) Methyl Iodide	4.088	142	26182	16.739	ug/l	94
11) Tert butyl alcohol	4.948	59	15805	111.462	ug/l	99
12) 1,1-Dichloroethene	3.863	96	24307	17.453	ug/l #	72
13) Acrolein	3.729	56	6569	58.836	ug/l	91
14) Allyl chloride	4.473	41	31108	17.115	ug/l #	91
15) Acrylonitrile	5.161	53	36031	85.161	ug/l	98
16) Acetone	3.948	43	26482	83.011	ug/l #	88
17) Carbon Disulfide	4.186	76	61543	16.750	ug/l	98
18) Methyl Acetate	4.473	43	17019	18.033	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	72185	16.795	ug/l	94
20) Methylene Chloride	4.710	84	31552	12.976	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	28595	17.136	ug/l	83
22) Diisopropyl ether	6.119	45	73874	17.227	ug/l #	90
23) Vinyl Acetate	6.058	43	235313	84.687	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	47853	17.384	ug/l	97
25) 2-Butanone	6.984	43	43647	87.497	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	44222	17.445	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	34146	17.247	ug/l	82
28) Bromochloromethane	7.332	49	16693	15.821	ug/l #	72
29) Tetrahydrofuran	7.344	42	28272	87.783	ug/l #	73
30) Chloroform	7.502	83	53600	17.438	ug/l	100
31) Cyclohexane	7.783	56	40655	16.951	ug/l #	73
32) 1,1,1-Trichloroethane	7.698	97	46037	17.122	ug/l	96
36) 1,1-Dichloropropene	7.911	75	38623	17.025	ug/l	97
37) Ethyl Acetate	7.070	43	19888	17.002	ug/l #	92
38) Carbon Tetrachloride	7.893	117	40507	16.597	ug/l	95
39) Methylcyclohexane	9.179	83	48927	16.762	ug/l #	87
40) Benzene	8.155	78	113292	16.771	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10443m	15.958	ug/l	
42) 1,2-Dichloroethane	8.234	62	32928	16.801	ug/l	90
43) Isopropyl Acetate	8.271	43	37870	17.444	ug/l #	87
44) Trichloroethene	8.941	130	31730	16.481	ug/l	99
45) 1,2-Dichloropropane	9.216	63	27998	16.966	ug/l	94
46) Dibromomethane	9.301	93	18160	16.626	ug/l	94
47) Bromodichloromethane	9.496	83	40729	16.581	ug/l	99
48) Methyl methacrylate	9.289	41	15391	16.677	ug/l #	71
49) 1,4-Dioxane	9.295	88	4907	348.128	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	99285	88.569	ug/l #	85
52) Toluene	10.240	92	75862	17.044	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	41859	16.721	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	47146	16.693	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	25956	16.659	ug/l	97
56) Ethyl methacrylate	10.508	69	31928	16.714	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	41888	16.742	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	61772	82.096	ug/l	92
59) 2-Hexanone	10.831	43	67845	87.957	ug/l	80
60) Dibromochloromethane	10.984	129	29008	15.938	ug/l	99
61) 1,2-Dibromoethane	11.087	107	24771	16.261	ug/l	99
64) Tetrachloroethene	10.721	164	27855	17.555	ug/l	96
65) Chlorobenzene	11.514	112	82227	16.842	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	30316	16.640	ug/l	97
67) Ethyl Benzene	11.593	91	145242	17.493	ug/l	97
68) m/p-Xylenes	11.703	106	115631	35.018	ug/l	92
69) o-Xylene	12.026	106	55003	17.165	ug/l	92
70) Styrene	12.044	104	91812	17.373	ug/l	94
71) Bromoform	12.209	173	17732	16.146	ug/l #	98
73) Isopropylbenzene	12.331	105	145278	18.280	ug/l	100
74) N-amyl acetate	12.142	43	33001	19.126	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	30999	18.434	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	22278m	18.844	ug/l	
77) Bromobenzene	12.611	156	33503	17.203	ug/l	95
78) n-propylbenzene	12.672	91	173370	18.487	ug/l	99
79) 2-Chlorotoluene	12.758	91	96548	18.345	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	118615	18.201	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	9495	17.970	ug/l #	82
82) 4-Chlorotoluene	12.855	91	100988	18.672	ug/l	98
83) tert-Butylbenzene	13.075	119	105958	18.124	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	118582	18.387	ug/l	98
85) sec-Butylbenzene	13.251	105	159168	18.364	ug/l	100
86) p-Isopropyltoluene	13.367	119	131156	18.134	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	67200	17.423	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	66984	17.547	ug/l	97
89) n-Butylbenzene	13.696	91	122271	18.711	ug/l	99
90) Hexachloroethane	13.959	117	24131	17.851	ug/l	80
91) 1,2-Dichlorobenzene	13.739	146	60539	17.642	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4575	19.015	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	34043	16.773	ug/l	99
94) Hexachlorobutadiene	15.111	225	17688	17.166	ug/l	99
95) Naphthalene	15.239	128	73830	16.982	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	29922	16.847	ug/l	99

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

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