

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013285.D
 Acq On : 13 Apr 2023 10:57
 Operator : KP/MD
 Sample : VY0413SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 02:58:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	254042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	401044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	353901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	152811	50.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.100%			
35) Dibromofluoromethane	7.710	113	132172	50.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.173	98	496616	51.388	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.477	95	163946	52.213	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	42974	18.795	ug/l	99
3) Chloromethane	2.107	50	53957	18.837	ug/l	97
4) Vinyl Chloride	2.247	62	49763	18.323	ug/l	96
5) Bromomethane	2.650	94	40348	19.374	ug/l	93
6) Chloroethane	2.790	64	36245	19.790	ug/l	100
7) Trichlorofluoromethane	3.119	101	81740	19.338	ug/l	100
8) Diethyl Ether	3.521	74	32836	21.381	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	50205	20.212	ug/l	96
10) Methyl Iodide	4.088	142	58570	19.223	ug/l	96
11) Tert butyl alcohol	4.972	59	39472m	73.630	ug/l	
12) 1,1-Dichloroethene	3.863	96	48034	20.094	ug/l	88
13) Acrolein	3.729	56	41820	111.507	ug/l	99
14) Allyl chloride	4.472	41	92921	20.349	ug/l	97
15) Acrylonitrile	5.161	53	97499	110.482	ug/l	99
16) Acetone	3.948	43	101753	96.935	ug/l	92
17) Carbon Disulfide	4.192	76	159135	20.220	ug/l	100
18) Methyl Acetate	4.479	43	72120	21.243	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	146679	20.483	ug/l	98
20) Methylene Chloride	4.710	84	65553	21.181	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	54625	20.018	ug/l	97
22) Diisopropyl ether	6.112	45	192820	21.426	ug/l	93
23) Vinyl Acetate	6.058	43	613713	107.874	ug/l	97
24) 1,1-Dichloroethane	6.009	63	105623	21.011	ug/l	98
25) 2-Butanone	6.984	43	143609	106.848	ug/l	94
26) 2,2-Dichloropropane	6.978	77	89722	19.893	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	60865	20.512	ug/l	94
28) Bromochloromethane	7.326	49	42739	21.332	ug/l	94
29) Tetrahydrofuran	7.344	42	94694	116.002	ug/l	97
30) Chloroform	7.502	83	104303	20.503	ug/l	98
31) Cyclohexane	7.777	56	90310	19.563	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	92719	20.147	ug/l	98
36) 1,1-Dichloropropene	7.911	75	79744	20.274	ug/l	99
37) Ethyl Acetate	7.063	43	69146	21.809	ug/l	95
38) Carbon Tetrachloride	7.893	117	84379	19.401	ug/l	97
39) Methylcyclohexane	9.179	83	87961	19.237	ug/l	95
40) Benzene	8.155	78	229968	20.201	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	32410	24.639	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	79023	20.474	ug/l	97
43) Isopropyl Acetate	8.271	43	109089	20.715	ug/l	97
44) Trichloroethene	8.935	130	57898	19.743	ug/l	89
45) 1,2-Dichloropropane	9.209	63	60307	20.410	ug/l	100
46) Dibromomethane	9.301	93	37068	20.845	ug/l	98
47) Bromodichloromethane	9.490	83	82704	20.344	ug/l	100
48) Methyl methacrylate	9.289	41	51564	21.317	ug/l	96
49) 1,4-Dioxane	9.307	88	7728	320.748	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	318932	111.280	ug/l	97
52) Toluene	10.240	92	142375	20.712	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	87456	20.542	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	94807	20.309	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	48242	20.575	ug/l	94
56) Ethyl methacrylate	10.508	69	67261	20.951	ug/l	94
57) 1,3-Dichloropropane	10.788	76	82982	20.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	153520	114.522	ug/l	96
59) 2-Hexanone	10.831	43	234164	112.366	ug/l	95
60) Dibromochloromethane	10.983	129	59611	20.276	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48068	21.053	ug/l	99
64) Tetrachloroethene	10.715	164	49883	19.979	ug/l	97
65) Chlorobenzene	11.514	112	151670	20.487	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	56740	20.423	ug/l	99
67) Ethyl Benzene	11.587	91	262674	20.372	ug/l	99
68) m/p-Xylenes	11.697	106	204621	41.477	ug/l	97
69) o-Xylene	12.026	106	94106	20.596	ug/l	100
70) Styrene	12.044	104	162328	21.035	ug/l	98
71) Bromoform	12.203	173	41234	21.424	ug/l #	97
73) Isopropylbenzene	12.325	105	245319	20.010	ug/l	99
74) N-amyl acetate	12.142	43	91924	21.017	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	65058	21.481	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	45705m	20.522	ug/l	
77) Bromobenzene	12.605	156	62957	20.535	ug/l	99
78) n-propylbenzene	12.666	91	311412	20.567	ug/l	99
79) 2-Chlorotoluene	12.751	91	171823	20.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	208832	20.336	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	23336	21.747	ug/l	95
82) 4-Chlorotoluene	12.855	91	183242	20.394	ug/l	99
83) tert-Butylbenzene	13.075	119	181180	20.562	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	209876	21.000	ug/l	97
85) sec-Butylbenzene	13.251	105	268146	20.349	ug/l	98
86) p-Isopropyltoluene	13.367	119	220875	20.427	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	120416	20.376	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	119759	20.053	ug/l	96
89) n-Butylbenzene	13.696	91	206875	20.004	ug/l	100
90) Hexachloroethane	13.959	117	46095	20.445	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	108221	20.124	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11289	20.526	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	64188	20.083	ug/l	98
94) Hexachlorobutadiene	15.111	225	37294	19.705	ug/l	97
95) Naphthalene	15.233	128	140963	20.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	58420	20.063	ug/l	98

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

