

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013268.D
 Acq On : 12 Apr 2023 15:40
 Operator : KP/MD
 Sample : VY0412SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0412SBS01

Quant Time: Apr 13 06:15:07 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	247935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	394301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	179543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	153675	51.576	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.160%			
35) Dibromofluoromethane	7.710	113	128663	50.403	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.173	98	483475	50.884	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.477	95	160663	52.042	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	42605	19.093	ug/l	99
3) Chloromethane	2.107	50	56455	20.194	ug/l	99
4) Vinyl Chloride	2.247	62	53868	20.324	ug/l	100
5) Bromomethane	2.644	94	41042	20.193	ug/l	91
6) Chloroethane	2.784	64	37477	20.966	ug/l	91
7) Trichlorofluoromethane	3.119	101	83322	20.198	ug/l	97
8) Diethyl Ether	3.521	74	31410	20.956	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	49271	20.324	ug/l	98
10) Methyl Iodide	4.082	142	60119	20.218	ug/l	97
11) Tert butyl alcohol	4.924	59	51745m	120.484	ug/l	
12) 1,1-Dichloroethene	3.857	96	47474	20.349	ug/l	92
13) Acrolein	3.723	56	39627	108.262	ug/l	98
14) Allyl chloride	4.466	41	91104	20.442	ug/l	94
15) Acrylonitrile	5.155	53	93571	108.642	ug/l	99
16) Acetone	3.948	43	101874	99.440	ug/l	97
17) Carbon Disulfide	4.186	76	154679	20.138	ug/l	99
18) Methyl Acetate	4.472	43	71656	21.626	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	147567	21.115	ug/l	100
20) Methylene Chloride	4.710	84	63080	20.818	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	54441	20.442	ug/l	97
22) Diisopropyl ether	6.106	45	190634	21.704	ug/l #	89
23) Vinyl Acetate	6.051	43	598830	107.851	ug/l	98
24) 1,1-Dichloroethane	6.009	63	100707	20.526	ug/l	99
25) 2-Butanone	6.984	43	141509	107.879	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	88219	20.042	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	58135	20.075	ug/l	93
28) Bromochloromethane	7.332	49	42477	21.723	ug/l	91
29) Tetrahydrofuran	7.344	42	90366	113.427	ug/l	96
30) Chloroform	7.496	83	101867	20.517	ug/l	95
31) Cyclohexane	7.777	56	90053	19.988	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	89686	19.968	ug/l	97
36) 1,1-Dichloropropene	7.911	75	76900	19.885	ug/l	99
37) Ethyl Acetate	7.070	43	69663	22.348	ug/l #	95
38) Carbon Tetrachloride	7.893	117	81172	18.983	ug/l	96
39) Methylcyclohexane	9.179	83	88276	19.636	ug/l	94
40) Benzene	8.155	78	223873	20.002	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	27855	21.539	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	75679	19.943	ug/l	97
43) Isopropyl Acetate	8.264	43	106882	20.643	ug/l	98
44) Trichloroethene	8.935	130	57185	19.833	ug/l	87
45) 1,2-Dichloropropane	9.209	63	58399	20.103	ug/l	96
46) Dibromomethane	9.301	93	35528	20.320	ug/l	99
47) Bromodichloromethane	9.490	83	80909	20.243	ug/l #	97
48) Methyl methacrylate	9.289	41	49531	20.826	ug/l	95
49) 1,4-Dioxane	9.307	88	8277	349.409	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	306508	108.774	ug/l	97
52) Toluene	10.240	92	137437	20.335	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	85081	20.326	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	91664	19.972	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	46554	20.194	ug/l	99
56) Ethyl methacrylate	10.508	69	66310	21.008	ug/l	92
57) 1,3-Dichloropropane	10.782	76	78674	20.065	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	146033	110.800	ug/l	97
59) 2-Hexanone	10.831	43	227850	111.206	ug/l	94
60) Dibromochloromethane	10.983	129	58561	20.259	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47862	21.321	ug/l	98
64) Tetrachloroethene	10.715	164	49918	20.160	ug/l	98
65) Chlorobenzene	11.514	112	146901	20.008	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	55956	20.308	ug/l	100
67) Ethyl Benzene	11.587	91	259136	20.265	ug/l	99
68) m/p-Xylenes	11.697	106	201548	41.194	ug/l	98
69) o-Xylene	12.026	106	95346	21.041	ug/l	96
70) Styrene	12.038	104	159111	20.790	ug/l	97
71) Bromoform	12.203	173	39576	20.733	ug/l	99
73) Isopropylbenzene	12.325	105	244912	19.887	ug/l	100
74) N-amyl acetate	12.142	43	91711	20.873	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	63194	20.771	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	52501m	23.467	ug/l	
77) Bromobenzene	12.605	156	60400	19.612	ug/l	97
78) n-propylbenzene	12.666	91	308707	20.296	ug/l	99
79) 2-Chlorotoluene	12.751	91	173320	20.244	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	208538	20.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21816	20.239	ug/l	92
82) 4-Chlorotoluene	12.855	91	180022	19.945	ug/l	100
83) tert-Butylbenzene	13.075	119	179744	20.307	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	204387	20.358	ug/l	98
85) sec-Butylbenzene	13.251	105	265584	20.064	ug/l	99
86) p-Isopropyltoluene	13.367	119	220036	20.258	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	119448	20.121	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	119804	19.970	ug/l	97
89) n-Butylbenzene	13.696	91	210392	20.252	ug/l	98
90) Hexachloroethane	13.959	117	44825	19.792	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	107730	19.942	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11804	21.365	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	66452	20.697	ug/l	99
94) Hexachlorobutadiene	15.111	225	38877	20.449	ug/l	97
95) Naphthalene	15.233	128	142111	20.098	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	59912	20.482	ug/l	99

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

