

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013290.D
 Acq On : 13 Apr 2023 12:56
 Operator : KP/MD
 Sample : 02313-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Inflationary Surcharges

Quant Time: Apr 14 04:52:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 14 04:38:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	243307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	346571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	150119	51.340	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.710	113	130146	51.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.300%			
50) Toluene-d8	10.173	98	482985	51.493	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.980%			
62) 4-Bromofluorobenzene	12.477	95	151779	49.804	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	10919	4.986	ug/l	96
3) Chloromethane	2.107	50	14716	5.364	ug/l	96
4) Vinyl Chloride	2.247	62	13588	5.224	ug/l	100
5) Bromomethane	2.650	94	10963	5.496	ug/l	95
6) Chloroethane	2.790	64	8730	4.977	ug/l	99
7) Trichlorofluoromethane	3.119	101	20699	5.113	ug/l	94
8) Diethyl Ether	3.521	74	7780	5.289	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	12813	5.386	ug/l	97
10) Methyl Iodide	4.082	142	14043	4.812	ug/l	98
11) Tert butyl alcohol	4.948	59	13625m	29.157	ug/l	
12) 1,1-Dichloroethene	3.863	96	12264	5.357	ug/l	90
13) Acrolein	3.723	56	9482	26.398	ug/l	98
14) Allyl chloride	4.473	41	23327	5.334	ug/l	96
15) Acrylonitrile	5.161	53	21834	25.833	ug/l	97
16) Acetone	3.948	43	24934	24.801	ug/l	96
17) Carbon Disulfide	4.186	76	40259	5.341	ug/l	99
18) Methyl Acetate	4.473	43	16482	5.069	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	33772	4.924	ug/l	98
20) Methylene Chloride	4.704	84	23142	7.415	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	13889	5.314	ug/l	93
22) Diisopropyl ether	6.106	45	43052	4.995	ug/l #	83
23) Vinyl Acetate	6.051	43	130814	24.008	ug/l	95
24) 1,1-Dichloroethane	6.009	63	26037	5.408	ug/l	95
25) 2-Butanone	6.984	43	34375	26.704	ug/l	90
26) 2,2-Dichloropropane	6.978	77	24332	5.633	ug/l	92
27) cis-1,2-Dichloroethene	6.978	96	15323	5.392	ug/l	92
28) Bromochloromethane	7.326	49	9685	5.047	ug/l	91
29) Tetrahydrofuran	7.350	42	19585	25.051	ug/l	95
30) Chloroform	7.502	83	26463	5.431	ug/l	100
31) Cyclohexane	7.783	56	26717	6.043	ug/l #	80
32) 1,1,1-Trichloroethane	7.698	97	22057	5.004	ug/l	94
36) 1,1-Dichloropropene	7.911	75	18990	4.974	ug/l	97
37) Ethyl Acetate	7.076	43	13321	4.329	ug/l #	95
38) Carbon Tetrachloride	7.893	117	20547	4.868	ug/l	95
39) Methylcyclohexane	9.179	83	21301	4.800	ug/l	91
40) Benzene	8.155	78	55006	4.978	ug/l	98

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41) Methacrylonitrile	7.301	41	5772	4.521	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	18996	5.071	ug/l	97
43) Isopropyl Acetate	8.265	43	24312	4.757	ug/l #	91
44) Trichloroethene	8.941	130	14754	5.184	ug/l	83
45) 1,2-Dichloropropane	9.209	63	14584	5.085	ug/l	94
46) Dibromomethane	9.301	93	8827	5.114	ug/l	95
47) Bromodichloromethane	9.490	83	20186	5.116	ug/l	99
48) Methyl methacrylate	9.289	41	10793	4.597	ug/l	95
49) 1,4-Dioxane	9.307	88	2339	100.023	ug/l #	67
51) 4-Methyl-2-Pentanone	10.063	43	66062	23.749	ug/l	98
52) Toluene	10.240	92	34510	5.173	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	20240	4.898	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	22203	4.900	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	12204	5.363	ug/l	94
56) Ethyl methacrylate	10.508	69	14526	4.662	ug/l	92
57) 1,3-Dichloropropane	10.788	76	19879	5.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	32936	25.315	ug/l	95
59) 2-Hexanone	10.831	43	45199	22.347	ug/l	96
60) Dibromochloromethane	10.984	129	14094	4.939	ug/l	100
61) 1,2-Dibromoethane	11.081	107	11481	5.181	ug/l	99
64) Tetrachloroethene	10.715	164	12636	5.168	ug/l	95
65) Chlorobenzene	11.508	112	36922	5.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	14042	5.161	ug/l	98
67) Ethyl Benzene	11.587	91	60902	4.823	ug/l	97
68) m/p-Xylenes	11.697	106	46536	9.632	ug/l	100
69) o-Xylene	12.026	106	20948	4.682	ug/l	97
70) Styrene	12.038	104	33909	4.487	ug/l	95
71) Bromoform	12.203	173	9433	5.005	ug/l #	99
73) Isopropylbenzene	12.325	105	56551	4.815	ug/l	98
74) N-amyl acetate	12.142	43	19305	4.607	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	15162	5.225	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	12405m	5.814	ug/l	
77) Bromobenzene	12.605	156	15559	5.297	ug/l	97
78) n-propylbenzene	12.666	91	74524	5.137	ug/l	98
79) 2-Chlorotoluene	12.752	91	41745	5.112	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	47546	4.833	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	4991	4.855	ug/l	98
82) 4-Chlorotoluene	12.849	91	42414	4.927	ug/l	100
83) tert-Butylbenzene	13.069	119	40175	4.759	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	44282	4.625	ug/l	99
85) sec-Butylbenzene	13.251	105	61820	4.897	ug/l	100
86) p-Isopropyltoluene	13.367	119	51605	4.981	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	29959	5.291	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	30315	5.298	ug/l	92
89) n-Butylbenzene	13.690	91	47855	4.830	ug/l	99
90) Hexachloroethane	13.959	117	11592	5.367	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	26905	5.222	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2736	5.192	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	15691	5.124	ug/l	96
94) Hexachlorobutadiene	15.111	225	9522	5.251	ug/l	98
95) Naphthalene	15.233	128	28499	4.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	13827	4.956	ug/l	97

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

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