

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013776.D
 Acq On : 17 May 2023 15:16
 Operator : KP/MD
 Sample : VY0517SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0517SBS01

Quant Time: May 18 07:02:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	254433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	403114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	360238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141074	47.730	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.460%		
35) Dibromofluoromethane	7.716	113	124435	48.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.280%		
50) Toluene-d8	10.179	98	484405	49.429	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.477	95	159317	48.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36296	19.869	ug/l	98
3) Chloromethane	2.113	50	55288	19.963	ug/l	95
4) Vinyl Chloride	2.247	62	56277	20.350	ug/l	99
5) Bromomethane	2.650	94	51324	20.929	ug/l	93
6) Chloroethane	2.790	64	39272	20.660	ug/l	100
7) Trichlorofluoromethane	3.125	101	80248	19.938	ug/l	97
8) Diethyl Ether	3.528	74	25704	19.085	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	48188	20.457	ug/l	97
10) Methyl Iodide	4.088	142	47228	18.249	ug/l	97
11) Tert butyl alcohol	4.930	59	40880	170.733	ug/l #	73
12) 1,1-Dichloroethene	3.869	96	43222	20.243	ug/l	99
13) Acrolein	3.729	56	39103	91.416	ug/l	97
14) Allyl chloride	4.473	41	83560	19.867	ug/l	98
15) Acrylonitrile	5.155	53	72394	91.660	ug/l	99
16) Acetone	3.948	43	80662	90.455	ug/l	98
17) Carbon Disulfide	4.192	76	118315	19.284	ug/l	99
18) Methyl Acetate	4.473	43	57900	18.624	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	123625	19.084	ug/l	96
20) Methylene Chloride	4.716	84	72831	23.886	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	47576	19.789	ug/l	98
22) Diisopropyl ether	6.119	45	180308	20.154	ug/l	99
23) Vinyl Acetate	6.058	43	491290	94.896	ug/l	100
24) 1,1-Dichloroethane	6.009	63	97769	19.990	ug/l	99
25) 2-Butanone	6.990	43	108762	93.824	ug/l	100
26) 2,2-Dichloropropane	6.978	77	86439	20.691	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	55488	19.587	ug/l	96
28) Bromochloromethane	7.332	49	34502	20.162	ug/l	100
29) Tetrahydrofuran	7.344	42	62510	90.123	ug/l	98
30) Chloroform	7.502	83	97139	19.710	ug/l	99
31) Cyclohexane	7.783	56	81662	19.270	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	83837	19.928	ug/l	100
36) 1,1-Dichloropropene	7.917	75	70478	19.733	ug/l	99
37) Ethyl Acetate	7.070	43	46961	19.114	ug/l	99
38) Carbon Tetrachloride	7.899	117	74776	19.845	ug/l	96
39) Methylcyclohexane	9.185	83	78821	19.416	ug/l	95
40) Benzene	8.155	78	207509	19.993	ug/l	100

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41) Methacrylonitrile	7.313	41	23415	19.179	ug/l #	57
42) 1,2-Dichloroethane	8.234	62	65624	19.568	ug/l	99
43) Isopropyl Acetate	8.271	43	83189	18.655	ug/l	99
44) Trichloroethene	8.935	130	52436	19.326	ug/l	90
45) 1,2-Dichloropropane	9.216	63	56122	19.677	ug/l	94
46) Dibromomethane	9.307	93	30374	19.015	ug/l	99
47) Bromodichloromethane	9.490	83	73583	19.452	ug/l	99
48) Methyl methacrylate	9.289	41	38148	18.623	ug/l	98
49) 1,4-Dioxane	9.307	88	7432	379.093	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	228295	91.935	ug/l	99
52) Toluene	10.240	92	125292	19.912	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	74472	19.094	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	85594	19.669	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	42294	19.467	ug/l	97
56) Ethyl methacrylate	10.508	69	54281	18.722	ug/l	98
57) 1,3-Dichloropropane	10.788	76	71953	19.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	103164	98.213	ug/l	99
59) 2-Hexanone	10.831	43	163972	92.896	ug/l	98
60) Dibromochloromethane	10.984	129	51013	19.378	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39267	19.167	ug/l	100
64) Tetrachloroethene	10.715	164	45339	19.840	ug/l	96
65) Chlorobenzene	11.514	112	136110	19.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	50755	19.157	ug/l	98
67) Ethyl Benzene	11.587	91	241189	19.906	ug/l	95
68) m/p-Xylenes	11.703	106	183293	40.390	ug/l	99
69) o-Xylene	12.026	106	86059	19.935	ug/l	99
70) Styrene	12.038	104	144868	19.758	ug/l	99
71) Bromoform	12.203	173	33041	18.877	ug/l #	98
73) Isopropylbenzene	12.325	105	227579	19.651	ug/l	100
74) N-amyl acetate	12.142	43	72620	18.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	50346	18.351	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	41790m	20.185	ug/l	
77) Bromobenzene	12.605	156	55307	19.797	ug/l	99
78) n-propylbenzene	12.666	91	289165	20.270	ug/l	100
79) 2-Chlorotoluene	12.752	91	161827	20.099	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	189721	20.091	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	17568	18.892	ug/l	99
82) 4-Chlorotoluene	12.849	91	167154	19.930	ug/l	98
83) tert-Butylbenzene	13.069	119	169961	20.668	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	189163	20.438	ug/l	100
85) sec-Butylbenzene	13.251	105	257339	20.740	ug/l	99
86) p-Isopropyltoluene	13.367	119	202205	20.182	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	108637	19.975	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	107846	19.721	ug/l	98
89) n-Butylbenzene	13.696	91	200273	20.388	ug/l	99
90) Hexachloroethane	13.959	117	42533	20.089	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	96903	20.009	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8221	18.494	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	56615	19.699	ug/l	99
94) Hexachlorobutadiene	15.111	225	36323	20.345	ug/l	98
95) Naphthalene	15.233	128	100962	17.700	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	48676	18.825	ug/l	99

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

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