

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013700.D
 Acq On : 10 May 2023 20:00
 Operator : KP/MD
 Sample : 02719-02MS
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04_0-2_20230509MS

Quant Time: May 11 03:33:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/11/2023
 Supervised By :Mahesh Dadoda 05/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	190782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	293539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	123469	59.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.080%			
35) Dibromofluoromethane	7.716	113	108960	59.018	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.040%			
50) Toluene-d8	10.179	98	354811	54.023	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.040%			
62) 4-Bromofluorobenzene	12.477	95	130565	58.968	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	87818	48.418	ug/l	97
3) Chloromethane	2.107	50	108846	44.771	ug/l	97
4) Vinyl Chloride	2.247	62	108890	44.983	ug/l	100
5) Bromomethane	2.650	94	87634	45.429	ug/l	100
6) Chloroethane	2.790	64	71516	42.765	ug/l	96
7) Trichlorofluoromethane	3.125	101	187510	51.133	ug/l	100
8) Diethyl Ether	3.528	74	65489	52.442	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.900	101	95462	46.409	ug/l	97
10) Methyl Iodide	4.088	142	108134	41.855	ug/l	96
11) Tert butyl alcohol	4.966	59	55531	235.776	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	93246	47.028	ug/l	91
13) Acrolein	3.729	56	23156	122.193	ug/l	92
14) Allyl chloride	4.479	41	175303	47.649	ug/l	97
15) Acrylonitrile	5.161	53	184286	263.505	ug/l	99
16) Acetone	3.948	43	209802	254.735	ug/l	94
17) Carbon Disulfide	4.192	76	262091	40.693	ug/l	99
18) Methyl Acetate	4.479	43	150649	55.381	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	311010	54.332	ug/l	99
20) Methylene Chloride	4.710	84	152117	60.685	ug/l #	86
21) trans-1,2-Dichloroethene	5.216	96	107001	49.357	ug/l	97
22) Diisopropyl ether	6.113	45	392382	54.566	ug/l	95
23) Vinyl Acetate	6.058	43	1000037	245.620	ug/l	96
24) 1,1-Dichloroethane	6.015	63	212144	52.933	ug/l	98
25) 2-Butanone	6.984	43	269263	257.786	ug/l	94
26) 2,2-Dichloropropane	6.978	77	177568	51.417	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	128487	53.642	ug/l	96
28) Bromochloromethane	7.332	49	75719	53.241	ug/l	84
29) Tetrahydrofuran	7.344	42	164617	253.182	ug/l	92
30) Chloroform	7.503	83	227352	57.056	ug/l	98
31) Cyclohexane	7.783	56	156926	41.909	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	194559	54.717	ug/l	98
36) 1,1-Dichloropropene	7.917	75	153713	50.166	ug/l	98
37) Ethyl Acetate	7.070	43	109940	47.679	ug/l	96
38) Carbon Tetrachloride	7.899	117	175597	54.677	ug/l	94
39) Methylcyclohexane	9.179	83	161716	44.769	ug/l	95
40) Benzene	8.161	78	463781	53.734	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	60187	56.014	ug/l	96
42) 1,2-Dichloroethane	8.234	62	165754	58.741	ug/l	99
43) Isopropyl Acetate	8.271	43	202479	52.025	ug/l	97
44) Trichloroethene	8.935	130	120775	52.605	ug/l	97
45) 1,2-Dichloropropane	9.216	63	126710	56.148	ug/l	100
46) Dibromomethane	9.301	93	74922	55.486	ug/l	96
47) Bromodichloromethane	9.496	83	179265	59.331	ug/l	100
48) Methyl methacrylate	9.289	41	96606	54.047	ug/l	95
49) 1,4-Dioxane	9.301	88	19127	991.810	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	582269	268.477	ug/l	96
52) Toluene	10.240	92	290893	56.006	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	175231	54.799	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	194342	54.011	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	103772	58.032	ug/l	96
56) Ethyl methacrylate	10.508	69	139191	56.107	ug/l	92
57) 1,3-Dichloropropane	10.789	76	175191	57.848	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	231743	249.114	ug/l	95
59) 2-Hexanone	10.831	43	424857	269.488	ug/l	95
60) Dibromochloromethane	10.984	129	130889	60.283	ug/l	99
61) 1,2-Dibromoethane	11.087	107	96877	55.104	ug/l	98
64) Tetrachloroethene	10.715	164	108143	52.460	ug/l	97
65) Chlorobenzene	11.514	112	307683	52.101	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	126489	57.270	ug/l	98
67) Ethyl Benzene	11.593	91	552362	53.265	ug/l	99
68) m/p-Xylenes	11.703	106	414672	105.188	ug/l	96
69) o-Xylene	12.026	106	202235	54.243	ug/l	96
70) Styrene	12.044	104	347075	55.676	ug/l	99
71) Bromoform	12.203	173	88690	57.329	ug/l	100
73) Isopropylbenzene	12.331	105	519789	50.111	ug/l	99
74) N-amyl acetate	12.142	43	168442	45.632	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	129240	50.974	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	90687m	49.033	ug/l	
77) Bromobenzene	12.605	156	135724	54.001	ug/l	96
78) n-propylbenzene	12.666	91	631175	49.401	ug/l	98
79) 2-Chlorotoluene	12.752	91	366501	51.368	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	438132	51.750	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	41536	45.939	ug/l	93
82) 4-Chlorotoluene	12.849	91	370246	49.788	ug/l	98
83) tert-Butylbenzene	13.075	119	379198	51.698	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	438639	53.290	ug/l	99
85) sec-Butylbenzene	13.251	105	541084	49.152	ug/l	99
86) p-Isopropyltoluene	13.367	119	445600	50.335	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	244444	51.049	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	245776	50.811	ug/l	99
89) n-Butylbenzene	13.690	91	405872	46.974	ug/l	98
90) Hexachloroethane	13.959	117	92012	49.385	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	229391	53.050	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22194	49.564	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	130005	50.428	ug/l	98
94) Hexachlorobutadiene	15.111	225	75009	49.993	ug/l	99
95) Naphthalene	15.233	128	284426	50.848	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	118081	51.389	ug/l	98

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

