

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052323\
 Data File : VY013835.D
 Acq On : 23 May 2023 16:21
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 24 05:07:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:01:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	248760	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	396722	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	345059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	15208	5.284	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.560%#
35) Dibromofluoromethane	7.710	113	12727	4.968	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.940%#
50) Toluene-d8	10.179	98	48951	5.027	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	10.060%#
62) 4-Bromofluorobenzene	12.477	95	15951	4.928	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.860%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9676	4.246	ug/l	90
3) Chloromethane	2.113	50	15050	5.422	ug/l	99
4) Vinyl Chloride	2.247	62	14564	5.130	ug/l	98
5) Bromomethane	2.650	94	12342	5.471	ug/l	94
6) Chloroethane	2.790	64	9640	5.211	ug/l	98
7) Trichlorofluoromethane	3.125	101	24333	5.093	ug/l	93
8) Diethyl Ether	3.527	74	7378	5.035	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	13340	5.151	ug/l	98
10) Methyl Iodide	4.082	142	12980	4.221	ug/l	98
11) Tert butyl alcohol	4.966	59	4848m	21.990	ug/l	
12) 1,1-Dichloroethene	3.863	96	11874	4.880	ug/l	96
13) Acrolein	3.723	56	8149	24.573	ug/l	93
14) Allyl chloride	4.478	41	23037	5.186	ug/l	97
15) Acrylonitrile	5.161	53	18128	24.126	ug/l	96
16) Acetone	3.942	43	22329	26.141	ug/l	96
17) Carbon Disulfide	4.186	76	36104	4.971	ug/l	96
18) Methyl Acetate	4.478	43	15379	5.190	ug/l #	74
19) Methyl tert-butyl Ether	5.210	73	30966	4.663	ug/l	93
20) Methylene Chloride	4.704	84	23293	5.427	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	13682	5.173	ug/l #	86
22) Diisopropyl ether	6.112	45	40360	4.706	ug/l	92
23) Vinyl Acetate	6.051	43	109329	21.885	ug/l	97
24) 1,1-Dichloroethane	6.015	63	26229	5.238	ug/l	99
25) 2-Butanone	6.978	43	23743	22.780	ug/l	99
26) 2,2-Dichloropropane	6.972	77	22913	5.080	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	14850	4.998	ug/l	98
28) Bromochloromethane	7.332	49	8711	5.927	ug/l	100
29) Tetrahydrofuran	7.350	42	13494	21.685	ug/l	99
30) Chloroform	7.502	83	26073	5.136	ug/l	92
31) Cyclohexane	7.777	56	24814	5.612	ug/l #	79
32) 1,1,1-Trichloroethane	7.697	97	23953	5.172	ug/l	99
36) 1,1-Dichloropropene	7.911	75	18884	4.839	ug/l	99
37) Ethyl Acetate	7.069	43	10327	4.338	ug/l	98
38) Carbon Tetrachloride	7.893	117	21925	4.940	ug/l	92
39) Methylcyclohexane	9.179	83	20589	4.505	ug/l	95
40) Benzene	8.155	78	55856	4.983	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	5740m	4.420	ug/l	
42) 1,2-Dichloroethane	8.234	62	17822	4.856	ug/l	99
43) Isopropyl Acetate	8.270	43	19628	4.525	ug/l #	91
44) Trichloroethene	8.935	130	15325	5.075	ug/l	92
45) 1,2-Dichloropropane	9.209	63	14744	5.135	ug/l	94
46) Dibromomethane	9.301	93	8121	4.939	ug/l	95
47) Bromodichloromethane	9.496	83	19870	4.958	ug/l #	95
48) Methyl methacrylate	9.289	41	8862	4.351	ug/l	97
49) 1,4-Dioxane	9.313	88	1588m	82.170	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	48777	21.101	ug/l	98
52) Toluene	10.240	92	32834	4.805	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	18717	4.588	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	21215	4.642	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	10763	4.865	ug/l	97
56) Ethyl methacrylate	10.508	69	11814	4.001	ug/l	93
57) 1,3-Dichloropropane	10.788	76	17460	4.634	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	24537	26.040	ug/l	99
59) 2-Hexanone	10.831	43	33146	20.158	ug/l	97
60) Dibromochloromethane	10.983	129	13278	4.745	ug/l	95
61) 1,2-Dibromoethane	11.087	107	9672	4.596	ug/l	98
64) Tetrachloroethene	10.715	164	12640	4.951	ug/l	96
65) Chlorobenzene	11.514	112	35976	4.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	13909	4.983	ug/l	98
67) Ethyl Benzene	11.593	91	60567	4.654	ug/l	99
68) m/p-Xylenes	11.703	106	45241	9.186	ug/l	99
69) o-Xylene	12.026	106	21556	4.646	ug/l	98
70) Styrene	12.044	104	35730	4.547	ug/l	97
71) Bromoform	12.209	173	8598	4.713	ug/l #	97
73) Isopropylbenzene	12.331	105	56011	4.553	ug/l	100
74) N-amyl acetate	12.142	43	14912	4.032	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	11464	4.502	ug/l	90
76) 1,2,3-Trichloropropane	12.629	75	10749m	5.515	ug/l	
77) Bromobenzene	12.605	156	14556	4.822	ug/l	98
78) n-propylbenzene	12.672	91	71605	4.711	ug/l	99
79) 2-Chlorotoluene	12.757	91	40733	4.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	46458	4.575	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	3860	4.299	ug/l	100
82) 4-Chlorotoluene	12.855	91	43463	4.953	ug/l	94
83) tert-Butylbenzene	13.075	119	41623	4.706	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	44928	4.507	ug/l	98
85) sec-Butylbenzene	13.251	105	60583	4.611	ug/l	97
86) p-Isopropyltoluene	13.367	119	50530	4.653	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	28794	4.939	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	29195	5.030	ug/l	94
89) n-Butylbenzene	13.696	91	47917	4.602	ug/l	100
90) Hexachloroethane	13.965	117	11196	5.022	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	25466	4.915	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2075	4.651	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	14407	4.485	ug/l	95
94) Hexachlorobutadiene	15.105	225	10043	4.959	ug/l	96
95) Naphthalene	15.239	128	23221	7.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	13032	4.562	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

