

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013397.D
 Acq On : 24 Apr 2023 12:56
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 02:01:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 24 14:03:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	253092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	384619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	323836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	241042	86.879	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 173.760%#			
35) Dibromofluoromethane	7.715	113	224143	92.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 185.320%#			
50) Toluene-d8	10.178	98	795462	92.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 184.860%#			
62) 4-Bromofluorobenzene	12.483	95	265133	91.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 182.780%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	252991	105.145	ug/l	98
3) Chloromethane	2.113	50	311491	96.580	ug/l	100
4) Vinyl Chloride	2.253	62	325592	101.389	ug/l	98
5) Bromomethane	2.649	94	244429	95.515	ug/l	100
6) Chloroethane	2.790	64	226076	101.906	ug/l	100
7) Trichlorofluoromethane	3.125	101	490604	100.847	ug/l	99
8) Diethyl Ether	3.527	74	161195	97.303	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	276421	101.299	ug/l	95
10) Methyl Iodide	4.094	142	362734	105.836	ug/l	100
11) Tert butyl alcohol	4.996	59	151286	521.701	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	264799	100.671	ug/l	90
13) Acrolein	3.734	56	109663	459.806	ug/l	95
14) Allyl chloride	4.478	41	490690	100.538	ug/l	97
15) Acrylonitrile	5.161	53	436940	470.953	ug/l	98
16) Acetone	3.954	43	532974	487.802	ug/l	97
17) Carbon Disulfide	4.192	76	860929	100.762	ug/l	100
18) Methyl Acetate	4.478	43	337721	93.587	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	753837	99.271	ug/l	99
20) Methylene Chloride	4.710	84	303644	96.183	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	282560	98.249	ug/l	94
22) Diisopropyl ether	6.118	45	935653	98.082	ug/l	95
23) Vinyl Acetate	6.057	43	2687563m	493.849	ug/l	
24) 1,1-Dichloroethane	6.015	63	515637	96.984	ug/l	98
25) 2-Butanone	6.990	43	671395	484.530	ug/l	95
26) 2,2-Dichloropropane	6.978	77	453606	99.011	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	310476	97.709	ug/l	94
28) Bromochloromethane	7.331	49	171398	90.846	ug/l	84
29) Tetrahydrofuran	7.350	42	421193	488.314	ug/l	91
30) Chloroform	7.502	83	510933	96.655	ug/l	98
31) Cyclohexane	7.783	56	492397	99.125	ug/l	90
32) 1,1,1-Trichloroethane	7.703	97	467343	99.075	ug/l	97
36) 1,1-Dichloropropene	7.917	75	409985	102.119	ug/l	97
37) Ethyl Acetate	7.075	43	296642	98.185	ug/l	95
38) Carbon Tetrachloride	7.898	117	430788	102.374	ug/l	97
39) Methylcyclohexane	9.185	83	513421	108.476	ug/l	98
40) Benzene	8.161	78	1120009	99.035	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	134452m	95.293	ug/l	
42) 1,2-Dichloroethane	8.234	62	356585	96.443	ug/l	99
43) Isopropyl Acetate	8.270	43	516933	101.368	ug/l	96
44) Trichloroethene	8.941	130	296862	98.683	ug/l	96
45) 1,2-Dichloropropane	9.215	63	290170	98.131	ug/l	99
46) Dibromomethane	9.307	93	170645	96.450	ug/l	94
47) Bromodichloromethane	9.496	83	388818	98.213	ug/l	99
48) Methyl methacrylate	9.294	41	246081	105.070	ug/l	91
49) 1,4-Dioxane	9.313	88	49003	1939.275	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	1427015	502.166	ug/l	96
52) Toluene	10.246	92	677713	99.583	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	419777	100.187	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	468634	99.400	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	225602	96.287	ug/l	96
56) Ethyl methacrylate	10.508	69	342280	105.298	ug/l	90
57) 1,3-Dichloropropane	10.788	76	385033	97.032	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	579869	475.725	ug/l	93
59) 2-Hexanone	10.831	43	1048722	507.683	ug/l	96
60) Dibromochloromethane	10.983	129	277259	97.456	ug/l	100
61) 1,2-Dibromoethane	11.087	107	222240	96.476	ug/l	100
64) Tetrachloroethene	10.721	164	250086	101.559	ug/l	95
65) Chlorobenzene	11.514	112	704156	99.818	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	264013	100.069	ug/l	99
67) Ethyl Benzene	11.593	91	1293019	104.381	ug/l	100
68) m/p-Xylenes	11.703	106	985843	209.346	ug/l	99
69) o-Xylene	12.026	106	461904	103.713	ug/l	96
70) Styrene	12.044	104	770067	103.411	ug/l	100
71) Bromoform	12.209	173	180922	97.901	ug/l #	99
73) Isopropylbenzene	12.331	105	1237088	107.218	ug/l	99
74) N-amyl acetate	12.142	43	442396	107.745	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.580	83	280188	99.350	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	206585m	98.076	ug/l	
77) Bromobenzene	12.605	156	282453	101.030	ug/l	91
78) n-propylbenzene	12.672	91	1509820	106.237	ug/l	97
79) 2-Chlorotoluene	12.757	91	825605	104.029	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	992892	105.432	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	105734	105.131	ug/l	98
82) 4-Chlorotoluene	12.855	91	846001	102.274	ug/l	97
83) tert-Butylbenzene	13.074	119	868951	106.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	957309	104.557	ug/l	99
85) sec-Butylbenzene	13.251	105	1298512	106.044	ug/l	98
86) p-Isopropyltoluene	13.367	119	1034721	105.079	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	525068	98.580	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	525088	97.592	ug/l	100
89) n-Butylbenzene	13.696	91	1024452	106.593	ug/l	98
90) Hexachloroethane	13.958	117	211467	102.036	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	476716	99.113	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	49562	99.505	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	289842	101.073	ug/l	99
94) Hexachlorobutadiene	15.110	225	161518	96.779	ug/l	99
95) Naphthalene	15.232	128	681617	109.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	262030	102.519	ug/l	99

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

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