

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082923\
 Data File : VY015363.D
 Acq On : 29 Aug 2023 19:21
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 31 15:16:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 15:16:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/31/2023
 Supervised By :Semsettin Yesilyurt 08/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	200661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	303708	141.190	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 282.380%#			
35) Dibromofluoromethane	7.710	113	277460	148.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.860%#			
50) Toluene-d8	10.179	98	977910	144.456	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 288.920%#			
62) 4-Bromofluorobenzene	12.477	95	370716	147.512	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 295.020%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	256515	147.062	ug/l	98
3) Chloromethane	2.107	50	328250	141.701	ug/l	98
4) Vinyl Chloride	2.247	62	385469	142.963	ug/l	97
5) Bromomethane	2.613	94	218156	113.711	ug/l	100
6) Chloroethane	2.772	64	253381	142.970	ug/l	97
7) Trichlorofluoromethane	3.107	101	550747	144.403	ug/l	99
8) Diethyl Ether	3.521	74	190852	146.424	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	311517	147.366	ug/l	96
10) Methyl Iodide	4.082	142	405814	163.475	ug/l	98
11) Tert butyl alcohol	4.960	59	295399	758.538	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	296975	148.882	ug/l	94
13) Acrolein	3.723	56	454715	754.399	ug/l	99
14) Allyl chloride	4.472	41	493842	155.497	ug/l	96
15) Acrylonitrile	5.155	53	604478	737.004	ug/l	98
16) Acetone	3.942	43	642437	715.536	ug/l	95
17) Carbon Disulfide	4.186	76	916838	153.746	ug/l	99
18) Methyl Acetate	4.472	43	476599	146.555	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	976176	150.573	ug/l	98
20) Methylene Chloride	4.704	84	355833	147.410	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	347131	151.127	ug/l	99
22) Diisopropyl ether	6.118	45	1069479	153.972	ug/l	91
23) Vinyl Acetate	6.058	43	3393237	773.738	ug/l	95
24) 1,1-Dichloroethane	6.009	63	599112	149.209	ug/l	97
25) 2-Butanone	6.984	43	921122	723.337	ug/l	95
26) 2,2-Dichloropropane	6.978	77	502006	147.201	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	389594	149.512	ug/l	95
28) Bromochloromethane	7.326	49	172265	139.904	ug/l	97
29) Tetrahydrofuran	7.344	42	582415	728.306	ug/l	93
30) Chloroform	7.502	83	623737	147.771	ug/l	95
31) Cyclohexane	7.783	56	545802	142.843	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	570519	151.324	ug/l	99
36) 1,1-Dichloropropene	7.911	75	493001	150.197	ug/l	99
37) Ethyl Acetate	7.070	43	370663	146.419	ug/l	96
38) Carbon Tetrachloride	7.893	117	513958	151.607	ug/l	98
39) Methylcyclohexane	9.179	83	638252	154.453	ug/l	95
40) Benzene	8.155	78	1376401	150.299	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	172186m	145.002	ug/l	
42) 1,2-Dichloroethane	8.234	62	445464	145.876	ug/l	95
43) Isopropyl Acetate	8.271	43	668753	152.768	ug/l	97
44) Trichloroethene	8.935	130	384786	148.506	ug/l	100
45) 1,2-Dichloropropane	9.209	63	347111	150.357	ug/l	97
46) Dibromomethane	9.301	93	226394	147.633	ug/l	95
47) Bromodichloromethane	9.496	83	501898	153.045	ug/l	99
48) Methyl methacrylate	9.289	41	310389	154.539	ug/l	92
49) 1,4-Dioxane	9.295	88	83790	2941.658	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	1893221	744.091	ug/l	93
52) Toluene	10.240	92	893692	152.259	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	553345	158.770	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	591285	155.961	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	310978	150.504	ug/l	97
56) Ethyl methacrylate	10.508	69	489405	159.834	ug/l	90
57) 1,3-Dichloropropane	10.788	76	529142	148.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	803873	735.529	ug/l	95
59) 2-Hexanone	10.831	43	1420547	744.075	ug/l	91
60) Dibromochloromethane	10.983	129	374484	154.845	ug/l	100
61) 1,2-Dibromoethane	11.087	107	315565	150.722	ug/l	100
64) Tetrachloroethene	10.715	164	382439	144.232	ug/l	97
65) Chlorobenzene	11.514	112	944570	150.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	356705	154.814	ug/l	98
67) Ethyl Benzene	11.587	91	1746522	154.511	ug/l	99
68) m/p-Xylenes	11.697	106	1349766	308.064	ug/l	96
69) o-Xylene	12.026	106	649855	155.196	ug/l	98
70) Styrene	12.038	104	1119863	159.057	ug/l	97
71) Bromoform	12.203	173	257553	160.244	ug/l #	98
73) Isopropylbenzene	12.325	105	1709618	156.725	ug/l	100
74) N-amyl acetate	12.142	43	602549	164.414	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	409361	157.202	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	294542m	152.941	ug/l	
77) Bromobenzene	12.605	156	398193	154.123	ug/l	95
78) n-propylbenzene	12.666	91	2052573	155.504	ug/l	100
79) 2-Chlorotoluene	12.751	91	1148601	155.145	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1418044	155.417	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	145897	167.112	ug/l	95
82) 4-Chlorotoluene	12.849	91	1199789	155.932	ug/l	99
83) tert-Butylbenzene	13.075	119	1243147	155.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1402124	154.773	ug/l	99
85) sec-Butylbenzene	13.251	105	1845814	154.853	ug/l	100
86) p-Isopropyltoluene	13.367	119	1560675	156.221	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	783861	153.681	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	769814	149.308	ug/l	99
89) n-Butylbenzene	13.696	91	1458649	155.128	ug/l	96
90) Hexachloroethane	13.959	117	286206	160.184	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	703867	151.216	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	77536	150.519	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	452673	154.856	ug/l	99
94) Hexachlorobutadiene	15.111	225	237874	149.232	ug/l	98
95) Naphthalene	15.233	128	1159224	160.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	414131	155.317	ug/l	99

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

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