

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013483.D
 Acq On : 26 Apr 2023 19:00
 Operator : KP/MD
 Sample : 02401-02MS
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230200-2-2MS

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Mahesh Dadoda 04/27/2023

Quant Time: Apr 27 01:36:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	127245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	158571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	79824	57.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.460%			
35) Dibromofluoromethane	7.716	113	68606	53.829	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.660%			
50) Toluene-d8	10.179	98	217212	47.908	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.477	95	61403	40.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	74821	61.851	ug/l	96
3) Chloromethane	2.113	50	101764	62.759	ug/l	99
4) Vinyl Chloride	2.253	62	101170	62.662	ug/l	99
5) Bromomethane	2.656	94	79220	61.573	ug/l	97
6) Chloroethane	2.796	64	67152	60.206	ug/l	97
7) Trichlorofluoromethane	3.131	101	137529	56.230	ug/l	98
8) Diethyl Ether	3.527	74	48510	58.243	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	71267	51.947	ug/l	94
10) Methyl Iodide	4.088	142	77582	45.024	ug/l	98
11) Tert butyl alcohol	4.978	59	39617	252.153	ug/l	99
12) 1,1-Dichloroethene	3.875	96	70419	53.249	ug/l	88
14) Allyl chloride	4.478	41	115471	47.058	ug/l	94
15) Acrylonitrile	5.161	53	137930	295.700	ug/l	97
16) Acetone	3.942	43	150552	274.070	ug/l	95
17) Carbon Disulfide	4.198	76	219521	51.102	ug/l	99
18) Methyl Acetate	4.472	43	143299	78.984	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	229177	60.028	ug/l	99
20) Methylene Chloride	4.722	84	93418	55.112	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	75820	52.437	ug/l	95
22) Diisopropyl ether	6.118	45	294863	61.480	ug/l	96
23) Vinyl Acetate	6.057	43	587674m	216.412	ug/l	
24) 1,1-Dichloroethane	6.015	63	157817	59.040	ug/l	96
25) 2-Butanone	6.984	43	210101	301.584	ug/l	92
26) 2,2-Dichloropropane	6.978	77	129142	56.067	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	90314	56.532	ug/l	94
28) Bromochloromethane	7.332	49	56244	59.294	ug/l #	78
29) Tetrahydrofuran	7.350	42	135012	311.335	ug/l	91
30) Chloroform	7.502	83	158093	59.486	ug/l	97
31) Cyclohexane	7.783	56	104492	41.840	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	134236	56.602	ug/l	94
36) 1,1-Dichloropropene	7.917	75	111549	52.736	ug/l	96
37) Ethyl Acetate	7.069	43	88020	55.297	ug/l	95
38) Carbon Tetrachloride	7.899	117	113484	51.188	ug/l	97
39) Methylcyclohexane	9.185	83	80128	32.133	ug/l	95
40) Benzene	8.161	78	331553	55.645	ug/l	99
41) Methacrylonitrile	7.307	41	30007m	40.454	ug/l	

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42) 1,2-Dichloroethane	8.240	62	119613	61.404	ug/l	98
43) Isopropyl Acetate	8.270	43	161542	60.125	ug/l	96
44) Trichloroethene	8.941	130	80880	51.031	ug/l	97
45) 1,2-Dichloropropane	9.215	63	88906	57.068	ug/l	99
46) Dibromomethane	9.307	93	53851	57.771	ug/l	92
47) Bromodichloromethane	9.496	83	120126	57.592	ug/l	99
48) Methyl methacrylate	9.295	41	79206	64.190	ug/l	92
49) 1,4-Dioxane	9.313	88	14463	1086.383	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	477473	318.915	ug/l	96
52) Toluene	10.246	92	189400	52.823	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	117265	53.122	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	129961	52.321	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	75174	60.898	ug/l	97
56) Ethyl methacrylate	10.508	69	103315	60.327	ug/l	86
57) 1,3-Dichloropropane	10.788	76	125257	59.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	181314	282.335	ug/l	93
59) 2-Hexanone	10.831	43	343038	315.197	ug/l	95
60) Dibromochloromethane	10.983	129	84431	56.329	ug/l	99
61) 1,2-Dibromoethane	11.087	107	69819	57.528	ug/l	99
64) Tetrachloroethene	10.721	164	63472	52.640	ug/l	98
65) Chlorobenzene	11.514	112	183258	53.052	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	73913	57.213	ug/l	100
67) Ethyl Benzene	11.593	91	301909	49.773	ug/l	100
68) m/p-Xylenes	11.703	106	225483	97.785	ug/l	96
69) o-Xylene	12.026	106	107047	49.086	ug/l	96
70) Styrene	12.044	104	181027	49.646	ug/l	99
71) Bromoform	12.209	173	53834	59.492	ug/l #	100
73) Isopropylbenzene	12.331	105	237646	56.425	ug/l	99
74) N-amyl acetate	12.142	43	96132	64.140	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	89832	87.261	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	50265m	66.934	ug/l	
77) Bromobenzene	12.605	156	67763	66.400	ug/l	84
78) n-propylbenzene	12.672	91	265022	51.086	ug/l	97
79) 2-Chlorotoluene	12.751	91	163521	56.445	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	170602	49.628	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	26111	71.124	ug/l	94
82) 4-Chlorotoluene	12.855	91	171260	56.719	ug/l	96
83) tert-Butylbenzene	13.074	119	135116	45.368	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	167577	50.140	ug/l	99
85) sec-Butylbenzene	13.251	105	181641	40.638	ug/l	95
86) p-Isopropyltoluene	13.367	119	140198	39.004	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	94773	48.745	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	98572	50.189	ug/l	98
89) n-Butylbenzene	13.696	91	116490	33.205	ug/l	98
90) Hexachloroethane	13.958	117	26251	34.700	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	91219	51.955	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13588	74.735	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	26436	25.255	ug/l	98
94) Hexachlorobutadiene	15.111	225	11925	19.575	ug/l	96
95) Naphthalene	15.233	128	113311	49.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	23501	25.189	ug/l	96

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

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