

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013486.D
 Acq On : 26 Apr 2023 20:07
 Operator : KP/MD
 Sample : 02401-07MSD
 Misc : 7.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4MSD

Manual Integrations
 APPROVED

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

Quant Time: Apr 27 01:39:14 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	104958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	119892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	30944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	73442	63.831	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.660%			
35) Dibromofluoromethane	7.716	113	61173	56.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.860%			
50) Toluene-d8	10.179	98	179557	46.560	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.120%			
62) 4-Bromofluorobenzene	12.483	95	42340	32.566	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	70442	70.596	ug/l	97
3) Chloromethane	2.113	50	93513	69.916	ug/l	100
4) Vinyl Chloride	2.253	62	94410	70.892	ug/l	98
5) Bromomethane	2.656	94	55129	51.947	ug/l	98
6) Chloroethane	2.796	64	63020	68.499	ug/l	98
7) Trichlorofluoromethane	3.131	101	118441	58.708	ug/l	99
8) Diethyl Ether	3.527	74	44313	64.501	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.905	101	60118	53.125	ug/l	93
10) Methyl Iodide	4.088	142	43868	30.864	ug/l	97
11) Tert butyl alcohol	4.984	59	36096m	278.459	ug/l	
12) 1,1-Dichloroethene	3.875	96	61818	56.672	ug/l	87
13) Acrolein	3.741	56	1657	7.909	ug/l #	79
14) Allyl chloride	4.478	41	102162	50.475	ug/l	96
15) Acrylonitrile	5.161	53	138231	359.272	ug/l	97
16) Acetone	3.954	43	219086	483.520	ug/l	94
17) Carbon Disulfide	4.198	76	165122	46.601	ug/l	99
18) Methyl Acetate	4.478	43	197452	131.941	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	219491	69.698	ug/l	98
20) Methylene Chloride	4.716	84	93261	68.732	ug/l #	87
21) trans-1,2-Dichloroethene	5.222	96	65312	54.761	ug/l	91
22) Diisopropyl ether	6.118	45	262595	66.378	ug/l	95
23) Vinyl Acetate	6.064	43	225555	100.698	ug/l	97
24) 1,1-Dichloroethane	6.021	63	140283	63.625	ug/l	98
25) 2-Butanone	6.990	43	247249	430.269	ug/l	91
26) 2,2-Dichloropropane	6.984	77	112849	59.397	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	77776	59.022	ug/l	92
28) Bromochloromethane	7.332	49	52667	67.313	ug/l #	77
29) Tetrahydrofuran	7.350	42	139244	389.276	ug/l	90
30) Chloroform	7.508	83	138392	63.130	ug/l	99
31) Cyclohexane	7.789	56	81788	39.703	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	114180	58.369	ug/l	96
36) 1,1-Dichloropropene	7.917	75	91335	50.765	ug/l	97
37) Ethyl Acetate	7.076	43	78371	57.884	ug/l	96
38) Carbon Tetrachloride	7.905	117	81633	43.290	ug/l	92
39) Methylcyclohexane	9.179	83	58647	27.650	ug/l	94
40) Benzene	8.161	78	282105	55.664	ug/l	100

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41) Methacrylonitrile	7.313	41	36211m	57.394	ug/l	
42) 1,2-Dichloroethane	8.234	62	105943	63.940	ug/l	98
43) Isopropyl Acetate	8.271	43	157535	68.934	ug/l #	93
44) Trichloroethene	8.941	130	68317	50.677	ug/l	95
45) 1,2-Dichloropropane	9.215	63	79024	59.636	ug/l	95
46) Dibromomethane	9.307	93	50858	64.144	ug/l	91
47) Bromodichloromethane	9.496	83	99854	56.283	ug/l #	95
48) Methyl methacrylate	9.295	41	84629	80.633	ug/l	90
49) 1,4-Dioxane	9.307	88	11238	992.425	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	493076	387.190	ug/l	95
52) Toluene	10.240	92	152225	49.913	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	82234	43.796	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	82608	39.099	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	66514	63.348	ug/l	98
56) Ethyl methacrylate	10.508	69	84470	57.987	ug/l	87
57) 1,3-Dichloropropane	10.788	76	110667	62.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	170345	311.851	ug/l	92
59) 2-Hexanone	10.831	43	353042	381.373	ug/l	96
60) Dibromochloromethane	10.983	129	67135	52.658	ug/l	100
61) 1,2-Dibromoethane	11.087	107	62083	60.140	ug/l	100
64) Tetrachloroethene	10.721	164	51042	55.988	ug/l	90
65) Chlorobenzene	11.514	112	135359	51.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	57570	58.939	ug/l	100
67) Ethyl Benzene	11.593	91	215982	47.094	ug/l	99
68) m/p-Xylenes	11.703	106	159140	91.279	ug/l	97
69) o-Xylene	12.026	106	76763	46.555	ug/l	97
70) Styrene	12.044	104	109501	39.718	ug/l	96
71) Bromoform	12.209	173	41378	60.479	ug/l #	100
73) Isopropylbenzene	12.331	105	150163	64.159	ug/l	97
74) N-amyl acetate	12.142	43	53073	63.722	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	77970	136.292	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	32575m	78.058	ug/l	
77) Bromobenzene	12.605	156	44809	79.013	ug/l	74
78) n-propylbenzene	12.672	91	159494	55.325	ug/l	96
79) 2-Chlorotoluene	12.757	91	98762	61.348	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	96595	50.565	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	12837	62.923	ug/l	95
82) 4-Chlorotoluene	12.855	91	102792	61.261	ug/l	94
83) tert-Butylbenzene	13.075	119	74117	44.783	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	95644	51.497	ug/l	99
85) sec-Butylbenzene	13.251	105	97439	39.229	ug/l	97
86) p-Isopropyltoluene	13.367	119	69944	35.016	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	53200	49.239	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	54380	49.825	ug/l	98
89) n-Butylbenzene	13.696	91	55636	28.538	ug/l	98
90) Hexachloroethane	13.959	117	10614	25.248	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	50555	51.816	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11390	112.732	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	10381	17.846	ug/l	98
94) Hexachlorobutadiene	15.111	225	4126	12.188	ug/l	95
95) Naphthalene	15.233	128	52590	41.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	9407	18.144	ug/l	97

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

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