

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008854.D
 Acq On : 19 May 2022 07:38
 Operator : KP/MD
 Sample : N2841-22MSD
 Misc : 4.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-2430-01MSD

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/23/2022
 Supervised By : Mahesh Dadoda 05/23/2022

Quant Time: May 19 08:11:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	111500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	194445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	186900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69378	67.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.140%			
35) Dibromofluoromethane	7.716	113	63782	56.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.280%			
50) Toluene-d8	10.179	98	261762	51.718	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.483	95	83738	46.712	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34252	49.298	ug/l	99
3) Chloromethane	2.113	50	52035	52.060	ug/l	95
4) Vinyl Chloride	2.247	62	79194	52.827	ug/l	100
5) Bromomethane	2.644	94	47042	35.318	ug/l	95
6) Chloroethane	2.796	64	57403	49.715	ug/l	99
7) Trichlorofluoromethane	3.125	101	70943	47.160	ug/l	96
8) Diethyl Ether	3.528	74	26010	52.649	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.906	101	43413	46.986	ug/l	96
10) Methyl Iodide	4.095	142	24827	21.492	ug/l	93
11) Tert butyl alcohol	4.948	59	23475	205.342	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	42055	44.450	ug/l	86
14) Allyl chloride	4.479	41	64919	46.648	ug/l #	92
15) Acrylonitrile	5.161	53	55629	166.052	ug/l	99
16) Acetone	3.942	43	56749	245.429	ug/l	94
17) Carbon Disulfide	4.198	76	102849	41.658	ug/l	98
18) Methyl Acetate	4.479	43	59083	83.558	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	143714	56.400	ug/l	95
20) Methylene Chloride	4.716	84	59705	56.909	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	54112	46.645	ug/l	86
22) Diisopropyl ether	6.119	45	158492	53.777	ug/l #	89
23) Vinyl Acetate	6.119	43	95716	46.061	ug/l #	77
24) 1,1-Dichloroethane	6.021	63	100480	51.380	ug/l	98
25) 2-Butanone	6.984	43	89541	206.271	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	75387	40.559	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	64260	49.943	ug/l	87
28) Bromochloromethane	7.332	49	42252	56.988	ug/l #	89
29) Tetrahydrofuran	7.350	42	62219	215.161	ug/l #	85
30) Chloroform	7.502	83	107121	51.090	ug/l	98
31) Cyclohexane	7.783	56	71849	43.576	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	93065	47.873	ug/l	98
36) 1,1-Dichloropropene	7.917	75	74960	41.196	ug/l	97
37) Ethyl Acetate	7.076	43	8846	8.158	ug/l #	81
38) Carbon Tetrachloride	7.899	117	80934	41.503	ug/l	95
39) Methylcyclohexane	9.185	83	76714	35.551	ug/l	89
40) Benzene	8.161	78	236140	46.380	ug/l	97
41) Methacrylonitrile	7.320	41	15116m	26.508	ug/l	

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42) 1,2-Dichloroethane	8.234	62	73382	49.100	ug/l	93
43) Isopropyl Acetate	8.271	43	29596	16.396	ug/l #	63
44) Trichloroethene	8.941	130	62494	45.122	ug/l	97
45) 1,2-Dichloropropane	9.216	63	61022	50.430	ug/l	94
46) Dibromomethane	9.307	93	40410	50.823	ug/l	93
47) Bromodichloromethane	9.496	83	90470	51.325	ug/l	96
48) Methyl methacrylate	9.295	41	37255	47.003	ug/l #	87
49) 1,4-Dioxane	9.295	88	10288	861.433	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	231737	217.464	ug/l	91
52) Toluene	10.246	92	165873	47.944	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	83781	45.760	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	84667	42.884	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	55320	51.164	ug/l	95
56) Ethyl methacrylate	10.508	69	20968	15.984	ug/l #	81
57) 1,3-Dichloropropane	10.795	76	90899	51.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	186670	279.055	ug/l	97
59) 2-Hexanone	10.831	43	139236	182.867	ug/l	90
60) Dibromochloromethane	10.983	129	64993	50.072	ug/l	99
61) 1,2-Dibromoethane	11.087	107	50332	46.679	ug/l	97
64) Tetrachloroethene	10.721	164	72239	60.381	ug/l	98
65) Chlorobenzene	11.520	112	170285	45.018	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	68895	49.854	ug/l	97
67) Ethyl Benzene	11.593	91	301651	44.655	ug/l	97
68) m/p-Xylenes	11.703	106	244407	90.819	ug/l	93
69) o-Xylene	12.032	106	118976	47.847	ug/l	91
70) Styrene	12.044	104	194849	46.290	ug/l	95
71) Bromoform	12.209	173	41851	44.611	ug/l #	100
73) Isopropylbenzene	12.331	105	293578	46.052	ug/l	99
74) N-amyl acetate	12.142	43	8165	5.366	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	69317	48.910	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	51983m	48.414	ug/l	
77) Bromobenzene	12.611	156	69439	47.009	ug/l	96
78) n-propylbenzene	12.672	91	347119	44.323	ug/l	100
79) 2-Chlorotoluene	12.758	91	195730	46.142	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	240966	46.816	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	16914	34.456	ug/l	88
82) 4-Chlorotoluene	12.855	91	207482	46.300	ug/l	96
83) tert-Butylbenzene	13.075	119	209868	45.338	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	245338	48.148	ug/l	97
85) sec-Butylbenzene	13.257	105	303519	42.027	ug/l	100
86) p-Isopropyltoluene	13.373	119	249329	42.340	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	140672	45.324	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	139736	45.517	ug/l	98
89) n-Butylbenzene	13.696	91	204651	36.613	ug/l	100
90) Hexachloroethane	13.965	117	44113	39.621	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	124705	45.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10292	42.472	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	50031	33.756	ug/l	98
94) Hexachlorobutadiene	15.117	225	20502	24.039	ug/l	99
95) Naphthalene	15.239	128	123214	37.187	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	44875	34.465	ug/l	98

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

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