

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100821\
 Data File : VY006347.D
 Acq On : 07 Oct 2021 21:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2021 6:04:05 PM

Quant Time: Oct 08 07:16:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	138368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	206372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109038	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	75977	51.30	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.60%			
35) Dibromofluoromethane	7.722	113	56574	48.90	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.80%			
50) Toluene-d8	10.185	98	232490	48.01	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.02%			
62) 4-Bromofluorobenzene	12.483	95	82080	49.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	54415	38.77	ug/l	99
3) Chloromethane	2.113	50	67612	41.36	ug/l	99
4) Vinyl Chloride	2.253	62	76599	42.28	ug/l	99
5) Bromomethane	2.656	94	65944	56.00	ug/l	99
6) Chloroethane	2.796	64	49253	46.20	ug/l	99
7) Trichlorofluoromethane	3.131	101	102272	42.86	ug/l	96
8) Diethyl Ether	3.533	74	36776	46.66	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.911	101	53282	41.82	ug/l	97
10) Methyl Iodide	4.094	142	34939	25.17	ug/l	96
11) Tert butyl alcohol	4.960	59	30070	232.12	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	53967	41.64	ug/l	94
13) Acrolein	3.729	56	19965	219.85	ug/l	98
14) Allyl chloride	4.485	41	107005	42.94	ug/l	99
15) Acrylonitrile	5.167	53	97686	235.63	ug/l	99
16) Acetone	3.948	43	81933	198.08	ug/l	96
17) Carbon Disulfide	4.198	76	175457	40.48	ug/l	99
18) Methyl Acetate	4.478	43	67991	48.75	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	182191	48.14	ug/l	97
20) Methylene Chloride	4.722	84	74166	52.18	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	63550	44.23	ug/l	98
22) Diisopropyl ether	6.124	45	225030	45.64	ug/l	98
23) Vinyl Acetate	6.070	43	666871	225.65	ug/l	98
24) 1,1-Dichloroethane	6.027	63	118711	44.85	ug/l	98
25) 2-Butanone	6.990	43	127009	220.43	ug/l	92
26) 2,2-Dichloropropane	6.990	77	101638	41.99	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	74419	46.25	ug/l	94
28) Bromochloromethane	7.338	49	55054	49.95	ug/l	91
29) Tetrahydrofuran	7.350	42	83170	228.53	ug/l	93
30) Chloroform	7.514	83	124342	47.09	ug/l	98
31) Cyclohexane	7.789	56	106418	37.93	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	112761	46.25	ug/l	98
36) 1,1-Dichloropropene	7.923	75	89895	41.72	ug/l	98
37) Ethyl Acetate	7.082	43	55122	43.92	ug/l	99
38) Carbon Tetrachloride	7.905	117	102059	44.86	ug/l	98
39) Methylcyclohexane	9.185	83	110340	40.77	ug/l	96
40) Benzene	8.167	78	272689	44.61	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	31233m	38.36	ug/l	
42) 1,2-Dichloroethane	8.240	62	95214	48.34	ug/l	98
43) Isopropyl Acetate	8.277	43	109583	45.52	ug/l	96
44) Trichloroethene	8.941	130	72785	46.10	ug/l	97
45) 1,2-Dichloropropane	9.221	63	67215	44.67	ug/l	94
46) Dibromomethane	9.307	93	37751	47.11	ug/l	96
47) Bromodichloromethane	9.496	83	97223	47.12	ug/l	99
48) Methyl methacrylate	9.295	41	51945	44.98	ug/l	94
49) 1,4-Dioxane	9.295	88	9407	899.80	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	297955	238.37	ug/l	98
52) Toluene	10.246	92	173683	45.81	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	101540	45.14	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	111466	45.07	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	53869	47.78	ug/l	99
56) Ethyl methacrylate	10.508	69	81295	47.44	ug/l	94
57) 1,3-Dichloropropane	10.794	76	94866	46.50	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	190209	226.52	ug/l	98
59) 2-Hexanone	10.831	43	209264	235.06	ug/l	98
60) Dibromochloromethane	10.983	129	67596	49.35	ug/l	100
61) 1,2-Dibromoethane	11.087	107	49681	46.54	ug/l	99
64) Tetrachloroethene	10.721	164	84329	50.74	ug/l	98
65) Chlorobenzene	11.514	112	184526	45.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	70699	46.92	ug/l	99
67) Ethyl Benzene	11.593	91	342124	44.39	ug/l	99
68) m/p-Xylenes	11.703	106	264162	90.32	ug/l	97
69) o-Xylene	12.032	106	126744	45.88	ug/l	97
70) Styrene	12.044	104	220349	46.97	ug/l	99
71) Bromoform	12.209	173	45162	48.19	ug/l #	99
73) Isopropylbenzene	12.331	105	331836	42.49	ug/l	100
74) N-amyl acetate	12.142	43	103371	42.64	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	57794	40.97	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	51302m	48.41	ug/l	
77) Bromobenzene	12.611	156	81270	44.38	ug/l	94
78) n-propylbenzene	12.672	91	402695	41.89	ug/l	99
79) 2-Chlorotoluene	12.757	91	228718	42.99	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	283335	43.38	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	22020	40.83	ug/l	97
82) 4-Chlorotoluene	12.855	91	241667	43.92	ug/l	100
83) tert-Butylbenzene	13.074	119	242777	43.48	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	282919	43.87	ug/l	100
85) sec-Butylbenzene	13.251	105	361033	42.79	ug/l	100
86) p-Isopropyltoluene	13.367	119	307576	43.20	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	163187	44.98	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	160573	44.88	ug/l	98
89) n-Butylbenzene	13.696	91	281948	41.67	ug/l	99
90) Hexachloroethane	13.958	117	56998	44.08	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	147087	46.36	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11762	43.77	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	95338	45.48	ug/l	99
94) Hexachlorobutadiene	15.111	225	59817	43.74	ug/l	99
95) Naphthalene	15.233	128	186694	44.82	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	84897	45.69	ug/l	99

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

