

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101321\
 Data File : VY006385.D
 Acq On : 13 Oct 2021 14:08
 Operator : SY/MD
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:21:37 PM

Quant Time: Oct 14 07:33:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 07:32:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	131594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	202952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	188410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71038	50.437	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.880%
35) Dibromofluoromethane	7.722	113	53274	49.133	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.260%
50) Toluene-d8	10.185	98	214439	47.255	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.500%
62) 4-Bromofluorobenzene	12.483	95	72899	47.288	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7248	5.430	ug/l	91
3) Chloromethane	2.113	50	10012	6.440	ug/l	96
4) Vinyl Chloride	2.253	62	10553	6.125	ug/l	95
5) Bromomethane	2.656	94	7596	6.783	ug/l	99
6) Chloroethane	2.802	64	6196	6.111	ug/l	97
7) Trichlorofluoromethane	3.131	101	13361	5.887	ug/l	94
8) Diethyl Ether	3.534	74	4655	6.210	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.912	101	7003	5.780	ug/l	97
10) Methyl Iodide	4.101	142	5587	4.231	ug/l	96
11) Tert butyl alcohol	4.960	59	4030	32.710	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	6715	5.448	ug/l	90
13) Acrolein	3.735	56	1967	25.071	ug/l	91
14) Allyl chloride	4.491	41	13344	5.630	ug/l	97
15) Acrylonitrile	5.174	53	11045	28.013	ug/l	99
16) Acetone	3.954	43	10293	26.166	ug/l	96
17) Carbon Disulfide	4.198	76	22673	5.500	ug/l	97
18) Methyl Acetate	4.485	43	8246	6.217	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	20071	5.576	ug/l	93
20) Methylene Chloride	4.723	84	9374	6.123	ug/l #	82
21) trans-1,2-Dichloroethene	5.235	96	7506	5.493	ug/l	84
22) Diisopropyl ether	6.131	45	24872	5.304	ug/l	93
23) Vinyl Acetate	6.070	43	70982	25.255	ug/l	98
24) 1,1-Dichloroethane	6.027	63	14154	5.623	ug/l	99
25) 2-Butanone	6.997	43	14187	25.890	ug/l #	91
26) 2,2-Dichloropropane	6.990	77	13133	5.705	ug/l	97
27) cis-1,2-Dichloroethene	6.997	96	8738	5.710	ug/l	93
28) Bromochloromethane	7.344	49	5434	5.184	ug/l	90
29) Tetrahydrofuran	7.356	42	8915	25.757	ug/l	95
30) Chloroform	7.515	83	14598	5.813	ug/l	96
31) Cyclohexane	7.789	56	15614	5.852	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	13226	5.704	ug/l	98
36) 1,1-Dichloropropene	7.923	75	10947	5.421	ug/l	98
37) Ethyl Acetate	7.082	43	6376	5.420	ug/l	97
38) Carbon Tetrachloride	7.905	117	12209	5.726	ug/l	97
39) Methylcyclohexane	9.185	83	13234	5.218	ug/l	93
40) Benzene	8.167	78	32225	5.625	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	3451m	4.523	ug/l	
42) 1,2-Dichloroethane	8.240	62	11447	6.202	ug/l	98
43) Isopropyl Acetate	8.277	43	12218	5.415	ug/l	98
44) Trichloroethene	8.941	130	8395	5.674	ug/l	90
45) 1,2-Dichloropropane	9.222	63	7760	5.502	ug/l #	85
46) Dibromomethane	9.313	93	4326	5.760	ug/l	98
47) Bromodichloromethane	9.502	83	11264	5.825	ug/l	99
48) Methyl methacrylate	9.295	41	5433	5.020	ug/l	90
49) 1,4-Dioxane	9.301	88	895	91.345	ug/l #	91
51) 4-Methyl-2-Pentanone	10.075	43	30568	26.093	ug/l	97
52) Toluene	10.246	92	20167	5.675	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	11683	5.541	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	12956	5.590	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	6217	5.883	ug/l	92
56) Ethyl methacrylate	10.514	69	8193	5.101	ug/l	97
57) 1,3-Dichloropropane	10.795	76	10816	5.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	21409	27.205	ug/l	97
59) 2-Hexanone	10.831	43	20896	25.044	ug/l	96
60) Dibromochloromethane	10.984	129	7432	5.789	ug/l	96
61) 1,2-Dibromoethane	11.093	107	5362	5.359	ug/l	95
64) Tetrachloroethene	10.721	164	9770	6.439	ug/l	97
65) Chlorobenzene	11.520	112	21423	5.739	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.593	131	7592	5.519	ug/l	98
67) Ethyl Benzene	11.593	91	37454	5.323	ug/l	100
68) m/p-Xylenes	11.703	106	29215	10.941	ug/l	94
69) o-Xylene	12.032	106	13235	5.248	ug/l	97
70) Styrene	12.044	104	22529	5.260	ug/l	98
71) Bromoform	12.209	173	4817	5.630	ug/l #	97
73) Isopropylbenzene	12.331	105	36416	5.184	ug/l	100
74) N-amyl acetate	12.142	43	10892	4.995	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	6349	5.004	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	4701m	4.932	ug/l	
77) Bromobenzene	12.605	156	9141	5.550	ug/l	94
78) n-propylbenzene	12.672	91	43875	5.074	ug/l	99
79) 2-Chlorotoluene	12.758	91	24803	5.183	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	30368	5.170	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	2418	4.985	ug/l	94
82) 4-Chlorotoluene	12.855	91	25169	5.085	ug/l	96
83) tert-Butylbenzene	13.075	119	26274	5.232	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	29547	5.094	ug/l	99
85) sec-Butylbenzene	13.252	105	38307	5.047	ug/l	98
86) p-Isopropyltoluene	13.367	119	32401	5.059	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	17470	5.353	ug/l	96
88) 1,4-Dichlorobenzene	13.447	146	17982	5.588	ug/l	97
89) n-Butylbenzene	13.697	91	30242	4.969	ug/l	99
90) Hexachloroethane	13.965	117	6322	5.436	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	15857	5.557	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1275	5.275	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	9927	5.264	ug/l	99
94) Hexachlorobutadiene	15.111	225	6990	5.682	ug/l	99
95) Naphthalene	15.233	128	17812	4.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	8952	5.356	ug/l	96

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

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