

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005900.D
 Acq On : 31 Aug 2021 09:55
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:41:30 PM

Quant Time: Sep 01 05:13:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:12:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	254884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	377438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	345043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	13971	5.439	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.880%#
35) Dibromofluoromethane	7.722	113	10895	5.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.280%#
50) Toluene-d8	10.185	98	45407	5.104	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.200%#
62) 4-Bromofluorobenzene	12.483	95	15727	5.265	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.520%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	11560	5.079	ug/l	98
3) Chloromethane	2.119	50	12421	5.153	ug/l	97
4) Vinyl Chloride	2.253	62	16412	5.238	ug/l	93
5) Bromomethane	2.650	94	12253	5.797	ug/l	100
6) Chloroethane	2.802	64	10245	5.469	ug/l	100
7) Trichlorofluoromethane	3.131	101	21924	5.478	ug/l	96
8) Diethyl Ether	3.534	74	7194	5.281	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.911	101	11699	5.429	ug/l	99
10) Methyl Iodide	4.100	142	13243	4.890	ug/l	99
11) Tert butyl alcohol	4.942	59	16747	33.157	ug/l #	80
12) 1,1-Dichloroethene	3.887	96	11743	5.367	ug/l	89
13) Acrolein	3.741	56	3590	34.346	ug/l	97
14) Allyl chloride	4.485	41	19160	5.207	ug/l	97
15) Acrylonitrile	5.180	53	18663	27.089	ug/l	100
16) Acetone	3.954	43	18587	28.380	ug/l	98
17) Carbon Disulfide	4.198	76	37445	5.358	ug/l	98
18) Methyl Acetate	4.485	43	11377	6.257	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	34151	5.199	ug/l	98
20) Methylene Chloride	4.716	84	19481	6.720	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	13220	5.415	ug/l	95
22) Diisopropyl ether	6.131	45	38170	5.105	ug/l	96
23) Vinyl Acetate	6.070	43	109425	24.118	ug/l	98
24) 1,1-Dichloroethane	6.027	63	22598	5.299	ug/l	96
25) 2-Butanone	6.996	43	24592	26.579	ug/l	96
26) 2,2-Dichloropropane	6.984	77	21786	5.460	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	14195	5.175	ug/l	99
28) Bromochloromethane	7.338	49	8719	4.959	ug/l	94
29) Tetrahydrofuran	7.356	42	15627	26.067	ug/l	99
30) Chloroform	7.514	83	23903	5.462	ug/l	93
31) Cyclohexane	7.789	56	25453	5.875	ug/l #	85
32) 1,1,1-Trichloroethane	7.710	97	21882	5.370	ug/l	97
36) 1,1-Dichloropropene	7.923	75	18626	5.241	ug/l	100
37) Ethyl Acetate	7.082	43	11380	5.347	ug/l	97
38) Carbon Tetrachloride	7.905	117	19822	5.146	ug/l	97
39) Methylcyclohexane	9.185	83	22852	5.077	ug/l	92
40) Benzene	8.161	78	51405	5.120	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6057m	4.977	ug/l	
42) 1,2-Dichloroethane	8.240	62	17419	5.341	ug/l	97
43) Isopropyl Acetate	8.277	43	19404	5.020	ug/l	98
44) Trichloroethene	8.947	130	14749	5.238	ug/l	87
45) 1,2-Dichloropropane	9.222	63	12666	5.141	ug/l	92
46) Dibromomethane	9.313	93	7661	5.404	ug/l	96
47) Bromodichloromethane	9.502	83	17417	5.055	ug/l	98
48) Methyl methacrylate	9.295	41	8836	4.973	ug/l	100
49) 1,4-Dioxane	9.295	88	2171	111.194	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	53058	25.475	ug/l	100
52) Toluene	10.246	92	32868	5.080	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	19147	5.012	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	21313	5.085	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	10744	5.291	ug/l	92
56) Ethyl methacrylate	10.508	69	14022	4.771	ug/l	96
57) 1,3-Dichloropropane	10.794	76	17798	5.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	35856	23.634	ug/l	99
59) 2-Hexanone	10.837	43	35912	24.680	ug/l	100
60) Dibromochloromethane	10.983	129	12764	5.120	ug/l	100
61) 1,2-Dibromoethane	11.093	107	10244	5.296	ug/l	97
64) Tetrachloroethene	10.721	164	15644	5.537	ug/l	97
65) Chlorobenzene	11.520	112	35369	5.109	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	13184	5.087	ug/l	99
67) Ethyl Benzene	11.593	91	62181	5.024	ug/l	98
68) m/p-Xylenes	11.703	106	48942	10.028	ug/l	99
69) o-Xylene	12.032	106	22771	4.970	ug/l	98
70) Styrene	12.044	104	38039	4.867	ug/l	98
71) Bromoform	12.209	173	8837	5.172	ug/l #	97
73) Isopropylbenzene	12.331	105	60022	5.006	ug/l	99
74) N-amyl acetate	12.148	43	16925	4.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	11711	5.132	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	10067m	7.755	ug/l	
77) Bromobenzene	12.611	156	15716	5.203	ug/l	97
78) n-propylbenzene	12.672	91	72302	5.045	ug/l	99
79) 2-Chlorotoluene	12.757	91	40205	5.040	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	50570	5.034	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	4718	5.329	ug/l	99
82) 4-Chlorotoluene	12.855	91	42279	5.051	ug/l	100
83) tert-Butylbenzene	13.074	119	43719	4.979	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	49208	4.938	ug/l	98
85) sec-Butylbenzene	13.251	105	65436	5.056	ug/l	99
86) p-Isopropyltoluene	13.373	119	55302	4.931	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	29745	5.062	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	31345	5.340	ug/l	96
89) n-Butylbenzene	13.696	91	50203	5.003	ug/l	99
90) Hexachloroethane	13.958	117	10683	5.249	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	27425	5.263	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2030	4.743	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	17657	5.020	ug/l	98
94) Hexachlorobutadiene	15.111	225	11913	5.258	ug/l	98
95) Naphthalene	15.239	128	32530	4.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	15157	4.936	ug/l	99

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

