

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006506.D
 Acq On : 28 Oct 2021 11:28
 Operator : SY/MD
 Sample : VY1028SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:38:34 PM

Quant Time: Oct 29 05:04:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	132278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	206766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	189844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80009	49.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.300%
35) Dibromofluoromethane	7.722	113	58197	50.498	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.000%
50) Toluene-d8	10.185	98	255225	52.242	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.483	95	80706	49.041	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22380	18.303	ug/l	98
3) Chloromethane	2.119	50	30798	18.660	ug/l	99
4) Vinyl Chloride	2.260	62	34550	18.744	ug/l	95
5) Bromomethane	2.650	94	25991	21.165	ug/l	96
6) Chloroethane	2.796	64	20458	18.795	ug/l	97
7) Trichlorofluoromethane	3.131	101	46547	19.888	ug/l	97
8) Diethyl Ether	3.540	74	14676	19.146	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	23300	19.554	ug/l	98
10) Methyl Iodide	4.101	142	15619	15.834	ug/l	99
11) Tert butyl alcohol	4.960	59	10751	72.702	ug/l	96
12) 1,1-Dichloroethene	3.881	96	23069	19.317	ug/l	99
13) Acrolein	3.741	56	8505	83.194	ug/l	98
14) Allyl chloride	4.485	41	49864	20.287	ug/l	99
15) Acrylonitrile	5.174	53	36815	85.288	ug/l	99
16) Acetone	3.954	43	32936	70.270	ug/l	97
17) Carbon Disulfide	4.198	76	70229	17.929	ug/l	100
18) Methyl Acetate	4.485	43	25465	16.755	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	69335	18.109	ug/l	100
20) Methylene Chloride	4.722	84	29743	17.852	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	26054	19.238	ug/l	96
22) Diisopropyl ether	6.125	45	100960	20.609	ug/l	95
23) Vinyl Acetate	6.064	43	273695	91.860	ug/l	100
24) 1,1-Dichloroethane	6.027	63	52981	20.684	ug/l	98
25) 2-Butanone	6.990	43	47983	78.141	ug/l	98
26) 2,2-Dichloropropane	6.990	77	48596	19.946	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	30446	19.692	ug/l	97
28) Bromochloromethane	7.338	49	22864	22.000	ug/l	96
29) Tetrahydrofuran	7.350	42	30722	81.549	ug/l	98
30) Chloroform	7.515	83	53367	20.174	ug/l	99
31) Cyclohexane	7.789	56	50299	19.087	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	49008	20.064	ug/l	99
36) 1,1-Dichloropropene	7.923	75	40218	19.686	ug/l	99
37) Ethyl Acetate	7.082	43	22061	17.063	ug/l	99
38) Carbon Tetrachloride	7.905	117	43562	19.329	ug/l	99
39) Methylcyclohexane	9.185	83	47595	19.138	ug/l	93
40) Benzene	8.167	78	114545	19.658	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	14225m	19.389	ug/l	
42) 1,2-Dichloroethane	8.246	62	38593	18.547	ug/l	100
43) Isopropyl Acetate	8.277	43	42863	17.089	ug/l	98
44) Trichloroethene	8.941	130	30389	20.222	ug/l	99
45) 1,2-Dichloropropane	9.222	63	29442	20.399	ug/l	97
46) Dibromomethane	9.307	93	14175	17.892	ug/l	99
47) Bromodichloromethane	9.502	83	40172	19.492	ug/l	96
48) Methyl methacrylate	9.295	41	19991	17.197	ug/l	97
49) 1,4-Dioxane	9.295	88	3065	284.963	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	109192	83.046	ug/l	99
52) Toluene	10.246	92	71865	19.657	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	41572	18.724	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	46574	19.361	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	19998	18.256	ug/l	94
56) Ethyl methacrylate	10.514	69	29261	17.291	ug/l	97
57) 1,3-Dichloropropane	10.795	76	37017	18.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	74977	97.121	ug/l	98
59) 2-Hexanone	10.831	43	75238	79.064	ug/l	99
60) Dibromochloromethane	10.990	129	25433	18.823	ug/l	100
61) 1,2-Dibromoethane	11.087	107	18305	17.749	ug/l	100
64) Tetrachloroethene	10.721	164	34894	21.021	ug/l	98
65) Chlorobenzene	11.514	112	73507	19.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	27725	19.934	ug/l	99
67) Ethyl Benzene	11.593	91	140848	20.020	ug/l	100
68) m/p-Xylenes	11.703	106	106076	40.079	ug/l	98
69) o-Xylene	12.032	106	50944	20.173	ug/l	98
70) Styrene	12.044	104	85935	19.902	ug/l	98
71) Bromoform	12.209	173	15154	17.236	ug/l #	99
73) Isopropylbenzene	12.331	105	137491	20.569	ug/l	99
74) N-amyl acetate	12.142	43	37693	16.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	19640	16.972	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	15727m	15.971	ug/l	
77) Bromobenzene	12.611	156	31265	19.853	ug/l	98
78) n-propylbenzene	12.672	91	170144	20.597	ug/l	100
79) 2-Chlorotoluene	12.758	91	93511	20.447	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	115455	20.627	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8446	17.609	ug/l	98
82) 4-Chlorotoluene	12.855	91	97399	20.439	ug/l	99
83) tert-Butylbenzene	13.075	119	100785	20.954	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	115036	20.555	ug/l	97
85) sec-Butylbenzene	13.251	105	149394	20.686	ug/l	99
86) p-Isopropyltoluene	13.373	119	127409	20.679	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	63219	20.001	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	62961	20.259	ug/l	99
89) n-Butylbenzene	13.696	91	120929	20.865	ug/l	99
90) Hexachloroethane	13.965	117	22908	20.587	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	55317	19.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4060	16.526	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	35202	19.234	ug/l	99
94) Hexachlorobutadiene	15.111	225	24016	20.474	ug/l	99
95) Naphthalene	15.239	128	60456	16.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	29237	18.242	ug/l	98

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

