

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006189.D
 Acq On : 28 Sep 2021 15:37
 Operator : SY/MD
 Sample : VY0928SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0928SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:33:25 PM

Quant Time: Sep 28 17:50:04 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	189261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	296115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	270736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99475	49.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.220%
35) Dibromofluoromethane	7.722	113	77567	49.030	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.185	98	315887	47.709	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.483	95	107713	47.888	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	42263	22.015	ug/l	100
3) Chloromethane	2.119	50	48529	21.703	ug/l	97
4) Vinyl Chloride	2.260	62	56213	22.683	ug/l	97
5) Bromomethane	2.650	94	35493	22.038	ug/l	98
6) Chloroethane	2.796	64	30627	21.004	ug/l	91
7) Trichlorofluoromethane	3.131	101	66864	20.484	ug/l	91
8) Diethyl Ether	3.534	74	22623	20.983	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	35434	20.335	ug/l	97
10) Methyl Iodide	4.101	142	33676	17.733	ug/l	94
11) Tert butyl alcohol	4.960	59	18609	105.021	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	36061	20.344	ug/l	97
13) Acrolein	3.735	56	7994	77.428	ug/l	100
14) Allyl chloride	4.491	41	71605	21.005	ug/l	95
15) Acrylonitrile	5.168	53	60560	106.796	ug/l	98
16) Acetone	3.954	43	55734	98.511	ug/l	95
17) Carbon Disulfide	4.204	76	122147	20.604	ug/l	98
18) Methyl Acetate	4.485	43	40905	21.442	ug/l	97
19) Methyl tert-butyl Ether	5.229	73	107614	20.789	ug/l	99
20) Methylene Chloride	4.723	84	46718	21.846	ug/l	97
21) trans-1,2-Dichloroethene	5.229	96	40004	20.356	ug/l	98
22) Diisopropyl ether	6.125	45	141365	20.962	ug/l	96
23) Vinyl Acetate	6.070	43	429481	106.247	ug/l	99
24) 1,1-Dichloroethane	6.027	63	74158	20.483	ug/l	97
25) 2-Butanone	6.990	43	79753	101.197	ug/l	98
26) 2,2-Dichloropropane	6.990	77	67093	20.265	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	44287	20.122	ug/l	98
28) Bromochloromethane	7.338	49	32367	21.471	ug/l #	99
29) Tetrahydrofuran	7.356	42	52331	105.124	ug/l	99
30) Chloroform	7.515	83	72902	20.186	ug/l	100
31) Cyclohexane	7.789	56	77364	20.159	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	68692	20.599	ug/l	99
36) 1,1-Dichloropropene	7.923	75	58665	19.912	ug/l	99
37) Ethyl Acetate	7.082	43	35177	20.496	ug/l	100
38) Carbon Tetrachloride	7.905	117	60987	19.604	ug/l	96
39) Methylcyclohexane	9.185	83	73477	19.855	ug/l	98
40) Benzene	8.167	78	165591	19.811	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	22499m	20.209	ug/l	
42) 1,2-Dichloroethane	8.246	62	55292	20.531	ug/l	98
43) Isopropyl Acetate	8.277	43	67299	20.444	ug/l	97
44) Trichloroethene	8.947	130	42431	19.655	ug/l	97
45) 1,2-Dichloropropane	9.222	63	41286	20.064	ug/l	95
46) Dibromomethane	9.307	93	22058	20.131	ug/l	99
47) Bromodichloromethane	9.502	83	57345	20.326	ug/l	100
48) Methyl methacrylate	9.295	41	31205	19.760	ug/l	95
49) 1,4-Dioxane	9.301	88	5952	416.351	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	174581	102.139	ug/l	96
52) Toluene	10.246	92	102623	19.794	ug/l	98
53) t-1,3-Dichloropropene	10.472	75	62096	20.187	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	67710	20.023	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	30227	19.606	ug/l	100
56) Ethyl methacrylate	10.514	69	47016	20.063	ug/l	94
57) 1,3-Dichloropropane	10.795	76	56222	20.153	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	121334	105.672	ug/l	100
59) 2-Hexanone	10.837	43	123593	101.525	ug/l	98
60) Dibromochloromethane	10.990	129	37287	19.906	ug/l	100
61) 1,2-Dibromoethane	11.093	107	29522	20.223	ug/l	97
64) Tetrachloroethene	10.721	164	43286	19.852	ug/l	97
65) Chlorobenzene	11.520	112	105557	19.678	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	39115	19.787	ug/l	99
67) Ethyl Benzene	11.593	91	198754	19.656	ug/l	99
68) m/p-Xylenes	11.703	106	151317	39.436	ug/l	99
69) o-Xylene	12.032	106	72055	19.883	ug/l	96
70) Styrene	12.044	104	121306	19.711	ug/l	99
71) Bromoform	12.209	173	24677	20.073	ug/l #	99
73) Isopropylbenzene	12.331	105	190258	19.648	ug/l	100
74) N-amyl acetate	12.142	43	59718	19.869	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	34329	19.629	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	25729m	19.582	ug/l	
77) Bromobenzene	12.611	156	44191	19.464	ug/l	99
78) n-propylbenzene	12.672	91	237200	19.900	ug/l	100
79) 2-Chlorotoluene	12.758	91	132465	20.083	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	162493	20.068	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13127	19.633	ug/l	98
82) 4-Chlorotoluene	12.855	91	136213	19.967	ug/l	99
83) tert-Butylbenzene	13.075	119	142603	20.600	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	161185	20.160	ug/l	100
85) sec-Butylbenzene	13.258	105	208498	19.930	ug/l	100
86) p-Isopropyltoluene	13.373	119	176172	19.956	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	88762	19.733	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	88236	19.894	ug/l	98
89) n-Butylbenzene	13.697	91	170128	20.282	ug/l	100
90) Hexachloroethane	13.965	117	32035	19.982	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	79831	20.296	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6673	20.028	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	51807	19.932	ug/l	100
94) Hexachlorobutadiene	15.111	225	33851	19.963	ug/l	98
95) Naphthalene	15.239	128	100679	19.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45283	19.656	ug/l	97

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

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