

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092721\
 Data File : VY006157.D
 Acq On : 27 Sep 2021 12:52
 Operator : SY/MD
 Sample : VY0927SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0927SBS01

Manual Integrations
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 9/28/2021 7:07:20 PM

Quant Time: Sep 27 18:11:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	124442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	190692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	176904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	81877	47.367	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.740%
35) Dibromofluoromethane	7.728	113	61021	51.520	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.040%
50) Toluene-d8	10.185	98	259081	51.323	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.483	95	87162	50.856	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	28592	21.750	ug/l	98
3) Chloromethane	2.119	50	34852	21.320	ug/l	97
4) Vinyl Chloride	2.259	62	39648	21.481	ug/l	99
5) Bromomethane	2.643	94	25693	21.457	ug/l	98
6) Chloroethane	2.796	64	22501	20.328	ug/l	96
7) Trichlorofluoromethane	3.131	101	49235	20.463	ug/l	93
8) Diethyl Ether	3.540	74	16569	20.948	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.905	101	24932	20.755	ug/l	97
10) Methyl Iodide	4.100	142	24541	19.298	ug/l	95
11) Tert butyl alcohol	4.978	59	14152	13.931	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	25143	20.236	ug/l	88
13) Acrolein	3.735	56	6305	60.704	ug/l	96
14) Allyl chloride	4.484	41	47586	17.941	ug/l	98
15) Acrylonitrile	5.173	53	43007	95.455	ug/l	99
16) Acetone	3.954	43	39092	82.453	ug/l	93
17) Carbon Disulfide	4.204	76	81232	19.576	ug/l	100
18) Methyl Acetate	4.484	43	21945	18.375	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	79523	19.852	ug/l	97
20) Methylene Chloride	4.722	84	31713	18.511	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	28418	20.396	ug/l	92
22) Diisopropyl ether	6.124	45	94863	18.406	ug/l	97
23) Vinyl Acetate	6.070	43	293040	90.109	ug/l	97
24) 1,1-Dichloroethane	6.027	63	51687	19.574	ug/l	96
25) 2-Butanone	6.990	43	56173	85.963	ug/l	95
26) 2,2-Dichloropropane	6.990	77	49694	19.866	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	32979	21.216	ug/l	94
28) Bromochloromethane	7.344	49	19913	17.167	ug/l	87
29) Tetrahydrofuran	7.356	42	35906	87.427	ug/l	92
30) Chloroform	7.514	83	54853	20.718	ug/l	99
31) Cyclohexane	7.789	56	49852	18.003	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	50289	20.230	ug/l	98
36) 1,1-Dichloropropene	7.923	75	40342	19.600	ug/l	97
37) Ethyl Acetate	7.082	43	24724	17.389	ug/l	98
38) Carbon Tetrachloride	7.905	117	46878	20.921	ug/l	99
39) Methylcyclohexane	9.191	83	50136	19.653	ug/l	94
40) Benzene	8.167	78	119470	20.242	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	15135m	18.226	ug/l	
42) 1,2-Dichloroethane	8.240	62	41321	19.797	ug/l	97
43) Isopropyl Acetate	8.277	43	46692	17.630	ug/l	95
44) Trichloroethene	8.947	130	32466	22.073	ug/l	95
45) 1,2-Dichloropropane	9.221	63	28568	19.566	ug/l	98
46) Dibromomethane	9.307	93	16266	20.582	ug/l	95
47) Bromodichloromethane	9.502	83	42400	20.844	ug/l	99
48) Methyl methacrylate	9.295	41	21638	17.681	ug/l	93
49) 1,4-Dioxane	9.307	88	4202	385.275	ug/l	100
51) 4-Methyl-2-Pentanone	10.075	43	122922	87.061	ug/l	97
52) Toluene	10.246	92	76228	20.959	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	45049	20.161	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	48906	20.293	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	23284	21.440	ug/l	93
56) Ethyl methacrylate	10.514	69	33999	19.584	ug/l	90
57) 1,3-Dichloropropane	10.794	76	40945	20.456	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	90503	99.580	ug/l	95
59) 2-Hexanone	10.837	43	87662	89.935	ug/l	97
60) Dibromochloromethane	10.989	129	29524	22.051	ug/l	97
61) 1,2-Dibromoethane	11.093	107	21768	21.221	ug/l	100
64) Tetrachloroethene	10.721	164	34721	23.997	ug/l	94
65) Chlorobenzene	11.520	112	80886	21.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	30134	21.359	ug/l	98
67) Ethyl Benzene	11.593	91	146439	20.353	ug/l	97
68) m/p-Xylenes	11.703	106	113537	41.615	ug/l	98
69) o-Xylene	12.032	106	54764	21.252	ug/l	94
70) Styrene	12.044	104	94752	21.465	ug/l	98
71) Bromoform	12.209	173	19176	21.707	ug/l #	99
73) Isopropylbenzene	12.331	105	145148	19.641	ug/l	99
74) N-amyl acetate	12.142	43	42897	16.810	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	25796	18.761	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	19319m	19.200	ug/l	
77) Bromobenzene	12.611	156	35673	20.688	ug/l	92
78) n-propylbenzene	12.672	91	176022	19.251	ug/l	98
79) 2-Chlorotoluene	12.757	91	98077	19.729	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	123142	20.092	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	10098	18.451	ug/l	95
82) 4-Chlorotoluene	12.855	91	102355	19.919	ug/l	98
83) tert-Butylbenzene	13.074	119	105386	20.105	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	123137	20.251	ug/l	97
85) sec-Butylbenzene	13.257	105	158912	20.251	ug/l	99
86) p-Isopropyltoluene	13.373	119	134989	20.150	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	72151	21.696	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	70434	21.116	ug/l	99
89) n-Butylbenzene	13.696	91	125028	19.958	ug/l	98
90) Hexachloroethane	13.965	117	24350	20.198	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	64256	22.011	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5185	19.008	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	41760	22.028	ug/l	98
94) Hexachlorobutadiene	15.111	225	26996	22.010	ug/l	99
95) Naphthalene	15.239	128	79676	21.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35846	21.820	ug/l	98

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

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