

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102522\
 Data File : VY011087.D
 Acq On : 25 Oct 2022 11:07
 Operator : KP/MD
 Sample : VY1025SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1025SBS01

Quant Time: Oct 26 08:36:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	237868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	346154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173365	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94045	42.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.840%
35) Dibromofluoromethane	7.710	113	99627	46.632	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.260%
50) Toluene-d8	10.179	98	349252	43.778	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.560%
62) 4-Bromofluorobenzene	12.477	95	128022	44.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.980%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	32745	20.754	ug/l	98
3) Chloromethane	2.113	50	44427	19.626	ug/l	97
4) Vinyl Chloride	2.247	62	51290	19.991	ug/l	97
5) Bromomethane	2.637	94	35666	20.099	ug/l	98
6) Chloroethane	2.784	64	35048	20.442	ug/l	97
7) Trichlorofluoromethane	3.119	101	82032	21.844	ug/l	95
8) Diethyl Ether	3.527	74	28525	20.355	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	52412	22.251	ug/l	93
10) Methyl Iodide	4.088	142	55705	19.326	ug/l	90
11) Tert butyl alcohol	4.948	59	31147	114.513	ug/l	98
12) 1,1-Dichloroethene	3.869	96	47506	21.053	ug/l	84
13) Acrolein	3.729	56	29563	83.693	ug/l	97
14) Allyl chloride	4.472	41	73365	20.503	ug/l #	86
15) Acrylonitrile	5.155	53	75112	102.827	ug/l	97
16) Acetone	3.942	43	67643	106.308	ug/l #	83
17) Carbon Disulfide	4.186	76	127101	19.214	ug/l	97
18) Methyl Acetate	4.472	43	41680	21.689	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	129082	20.474	ug/l	98
20) Methylene Chloride	4.704	84	78338	25.106	ug/l #	84
21) trans-1,2-Dichloroethene	5.210	96	54127	21.248	ug/l	93
22) Diisopropyl ether	6.112	45	166602	21.739	ug/l #	94
23) Vinyl Acetate	6.057	43	459912	100.357	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	101804	22.002	ug/l	99
25) 2-Butanone	6.978	43	97733	101.283	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	91937	22.375	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	62416	21.260	ug/l	91
28) Bromochloromethane	7.332	49	18433	13.971	ug/l	88
29) Tetrahydrofuran	7.344	42	58792	99.029	ug/l #	87
30) Chloroform	7.502	83	104313	22.364	ug/l	97
31) Cyclohexane	7.777	56	86268	20.575	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	90299	22.024	ug/l	96
36) 1,1-Dichloropropene	7.911	75	76657	21.552	ug/l	98
37) Ethyl Acetate	7.069	43	40248	20.439	ug/l #	93
38) Carbon Tetrachloride	7.899	117	82428	22.450	ug/l	97
39) Methylcyclohexane	9.179	83	89248	20.950	ug/l	92
40) Benzene	8.155	78	227781	21.826	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	19606m	18.373	ug/l	
42) 1,2-Dichloroethane	8.234	62	62340	21.559	ug/l	91
43) Isopropyl Acetate	8.270	43	72040	20.475	ug/l #	89
44) Trichloroethene	8.935	130	61112	21.609	ug/l	95
45) 1,2-Dichloropropane	9.215	63	59200	22.358	ug/l	97
46) Dibromomethane	9.301	93	31702	21.466	ug/l	96
47) Bromodichloromethane	9.496	83	78685	22.109	ug/l	97
48) Methyl methacrylate	9.289	41	31331	19.898	ug/l #	79
49) 1,4-Dioxane	9.295	88	8605	405.534	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	199306	101.575	ug/l #	87
52) Toluene	10.240	92	144610	22.305	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	78242	21.162	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	91805	21.699	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	47144	22.128	ug/l	99
56) Ethyl methacrylate	10.508	69	58140	20.546	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	79781	21.779	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	95982	80.865	ug/l	98
59) 2-Hexanone	10.831	43	139827	103.742	ug/l	86
60) Dibromochloromethane	10.983	129	55904	22.067	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43204	21.176	ug/l	99
64) Tetrachloroethene	10.715	164	59113	21.937	ug/l	95
65) Chlorobenzene	11.514	112	154142	21.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58464	22.226	ug/l	97
67) Ethyl Benzene	11.587	91	272402	21.666	ug/l	99
68) m/p-Xylenes	11.697	106	212936	44.027	ug/l	95
69) o-Xylene	12.026	106	98439	21.435	ug/l	96
70) Styrene	12.044	104	172112	22.118	ug/l	95
71) Bromoform	12.203	173	34860	21.473	ug/l #	100
73) Isopropylbenzene	12.325	105	270595	21.484	ug/l	99
74) N-amyl acetate	12.142	43	63367	19.829	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	54989	20.803	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	39021m	19.825	ug/l	
77) Bromobenzene	12.605	156	61322	20.828	ug/l	99
78) n-propylbenzene	12.666	91	333484	21.762	ug/l	100
79) 2-Chlorotoluene	12.751	91	185196	21.459	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	229444	21.833	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18679	20.411	ug/l #	85
82) 4-Chlorotoluene	12.849	91	193414	21.525	ug/l	99
83) tert-Butylbenzene	13.074	119	198583	21.852	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	228040	22.006	ug/l	98
85) sec-Butylbenzene	13.251	105	297687	21.799	ug/l	100
86) p-Isopropyltoluene	13.367	119	244728	21.603	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	126178	21.474	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	125137	21.419	ug/l	98
89) n-Butylbenzene	13.690	91	231526	21.871	ug/l	100
90) Hexachloroethane	13.958	117	49929	22.332	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	112283	21.359	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	8586	19.645	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	65511	20.851	ug/l	99
94) Hexachlorobutadiene	15.111	225	40757	22.038	ug/l	98
95) Naphthalene	15.233	128	124944	19.527	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	56430	20.587	ug/l	99

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

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