

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011127.D
 Acq On : 26 Oct 2022 19:21
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 27 04:41:07 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	7.783	168	214804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	350894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	323808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168267	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87940	44.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.880%
35) Dibromofluoromethane	7.710	113	90102	45.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.780%
50) Toluene-d8	10.173	98	301634	41.169	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	82.340%
62) 4-Bromofluorobenzene	12.477	95	117849	45.108	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.220%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	59731	41.922	ug/l	100
3) Chloromethane	2.107	50	82215	40.220	ug/l	95
4) Vinyl Chloride	2.247	62	95905	41.394	ug/l	98
5) Bromomethane	2.644	94	66347	41.403	ug/l	98
6) Chloroethane	2.784	64	68947	44.532	ug/l	97
7) Trichlorofluoromethane	3.119	101	157297	46.384	ug/l	93
8) Diethyl Ether	3.528	74	62695	49.542	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	102673	48.269	ug/l	93
10) Methyl Iodide	4.082	142	114018	43.805	ug/l	92
11) Tert butyl alcohol	4.948	59	71898	329.695	ug/l	99
12) 1,1-Dichloroethene	3.863	96	93229	45.753	ug/l	85
13) Acrolein	3.723	56	66193	207.512	ug/l	98
14) Allyl chloride	4.473	41	150221	46.488	ug/l #	86
15) Acrylonitrile	5.155	53	187063	283.583	ug/l	97
16) Acetone	3.942	43	132080	229.865	ug/l #	83
17) Carbon Disulfide	4.186	76	220644	36.936	ug/l	99
18) Methyl Acetate	4.473	43	88618	55.112	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	304307	53.450	ug/l	100
20) Methylene Chloride	4.704	84	132066	53.137	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	106587	46.334	ug/l	90
22) Diisopropyl ether	6.112	45	368967	53.315	ug/l	92
23) Vinyl Acetate	6.051	43	1136410	274.601	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	213128	51.007	ug/l	99
25) 2-Butanone	6.978	43	229098	262.911	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	173184	46.674	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	134655	50.790	ug/l	89
28) Bromochloromethane	7.326	49	83503	55.946	ug/l	89
29) Tetrahydrofuran	7.338	42	149082	278.076	ug/l #	84
30) Chloroform	7.496	83	223751	53.122	ug/l	99
31) Cyclohexane	7.783	56	155887	41.171	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	187374	50.609	ug/l	96
36) 1,1-Dichloropropene	7.917	75	150804	46.167	ug/l	98
37) Ethyl Acetate	7.070	43	101387	56.062	ug/l #	93
38) Carbon Tetrachloride	7.893	117	165797	49.170	ug/l	98
39) Methylcyclohexane	9.179	83	171451	43.822	ug/l	91
40) Benzene	8.155	78	467902	48.819	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	51659m	52.712	ug/l	
42) 1,2-Dichloroethane	8.234	62	138045	51.981	ug/l	91
43) Isopropyl Acetate	8.271	43	174656	54.053	ug/l #	90
44) Trichloroethene	8.935	130	125087	48.161	ug/l	100
45) 1,2-Dichloropropane	9.209	63	127731	52.526	ug/l	94
46) Dibromomethane	9.301	93	72727	53.621	ug/l	95
47) Bromodichloromethane	9.490	83	176886	54.119	ug/l	100
48) Methyl methacrylate	9.289	41	78857	54.531	ug/l #	80
49) 1,4-Dioxane	9.289	88	22026	1130.281	ug/l #	83
51) 4-Methyl-2-Pentanone	10.063	43	521758	289.542	ug/l #	87
52) Toluene	10.240	92	297968	50.043	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	176298	51.921	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	197621	50.860	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	108006	55.200	ug/l	98
56) Ethyl methacrylate	10.508	69	146727	56.461	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	179816	53.450	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	355103	274.399	ug/l	98
59) 2-Hexanone	10.831	43	358855	289.907	ug/l	85
60) Dibromochloromethane	10.977	129	129506	55.662	ug/l	99
61) 1,2-Dibromoethane	11.087	107	99340	53.017	ug/l	100
64) Tetrachloroethene	10.715	164	121995	48.398	ug/l	97
65) Chlorobenzene	11.514	112	329147	49.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	128848	52.364	ug/l	98
67) Ethyl Benzene	11.587	91	583553	49.618	ug/l	99
68) m/p-Xylenes	11.697	106	443189	97.958	ug/l	96
69) o-Xylene	12.026	106	217062	50.526	ug/l	94
70) Styrene	12.038	104	379220	52.096	ug/l	95
71) Bromoform	12.203	173	83812	55.190	ug/l #	99
73) Isopropylbenzene	12.325	105	574843	47.022	ug/l	100
74) N-amyl acetate	12.142	43	155952	50.279	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	130855	51.003	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	91376m	47.832	ug/l	
77) Bromobenzene	12.605	156	136195	47.661	ug/l	99
78) n-propylbenzene	12.666	91	702013	47.198	ug/l	100
79) 2-Chlorotoluene	12.752	91	399509	47.694	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	483902	47.441	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	44550	50.155	ug/l #	83
82) 4-Chlorotoluene	12.849	91	408970	46.892	ug/l	99
83) tert-Butylbenzene	13.069	119	433011	49.092	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	483073	48.028	ug/l	98
85) sec-Butylbenzene	13.251	105	637202	48.076	ug/l	99
86) p-Isopropyltoluene	13.367	119	526917	47.922	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	271195	47.553	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	268795	47.403	ug/l	99
89) n-Butylbenzene	13.696	91	489348	47.626	ug/l	99
90) Hexachloroethane	13.959	117	106300	48.987	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	247829	48.570	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22147	52.209	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	144886	47.511	ug/l	99
94) Hexachlorobutadiene	15.111	225	86118	47.977	ug/l	99
95) Naphthalene	15.233	128	324215	52.205	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	130871	49.192	ug/l	98

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

