

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080322\
 Data File : VY080322.D
 Acq On : 03 Aug 2022 14:24
 Operator : KP/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 04 00:50:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 00:44:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	55210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	87965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	82966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	42885	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	62885	115.292	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 230.580%#	
35) Dibromofluoromethane	7.710	113	68323	127.389	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 254.780%#	
50) Toluene-d8	10.173	98	209140	111.573	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 223.140%#	
62) 4-Bromofluorobenzene	12.477	95	102695	141.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 282.800%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	72056	123.827	ug/l	98
3) Chloromethane	2.107	50	101624	127.322	ug/l	99
4) Vinyl Chloride	2.241	62	108529	129.682	ug/l	99
5) Bromomethane	2.619	94	63010	111.111	ug/l	98
6) Chloroethane	2.772	64	66192	121.573	ug/l	97
7) Trichlorofluoromethane	3.107	101	161733	144.958	ug/l	97
8) Diethyl Ether	3.515	74	52922	157.656	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.881	101	83970	137.577	ug/l	98
10) Methyl Iodide	4.070	142	107636	166.575	ug/l	99
11) Tert butyl alcohol	4.948	59	44066	768.876	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	79588	142.750	ug/l	98
13) Acrolein	3.717	56	4548	588.226	ug/l	96
14) Allyl chloride	4.460	41	151238	161.657	ug/l	97
15) Acrylonitrile	5.149	53	142585	800.133	ug/l	99
16) Acetone	3.942	43	109761	702.316	ug/l	97
17) Carbon Disulfide	4.174	76	242538	139.561	ug/l	100
18) Methyl Acetate	4.466	43	69012	148.011	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	236902	165.638	ug/l	99
20) Methylene Chloride	4.698	84	96658	99.420	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	92935	146.616	ug/l	100
22) Diisopropyl ether	6.106	45	346879	167.457	ug/l	99
23) Vinyl Acetate	6.045	43	1167074	882.790	ug/l	98
24) 1,1-Dichloroethane	6.003	63	166714	148.700	ug/l	97
25) 2-Butanone	6.978	43	200930	786.000	ug/l	96
26) 2,2-Dichloropropane	6.972	77	143892	138.069	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	106913	151.028	ug/l	97
28) Bromochloromethane	7.326	49	66601	152.373	ug/l	95
29) Tetrahydrofuran	7.338	42	141868	861.652	ug/l	97
30) Chloroform	7.496	83	169731	144.675	ug/l	99
31) Cyclohexane	7.771	56	158686	151.903	ug/l	97
32) 1,1,1-Trichloroethane	7.691	97	148537	146.108	ug/l	99
36) 1,1-Dichloropropene	7.911	75	131789	148.112	ug/l	100
37) Ethyl Acetate	7.063	43	90439	156.047	ug/l	99
38) Carbon Tetrachloride	7.893	117	132388	141.469	ug/l	98
39) Methylcyclohexane	9.173	83	162524	157.437	ug/l	100
40) Benzene	8.149	78	394395	146.118	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	51866m	89.066	ug/l	
42) 1,2-Dichloroethane	8.228	62	110861	143.042	ug/l	100
43) Isopropyl Acetate	8.264	43	166639	165.019	ug/l	99
44) Trichloroethene	8.935	130	102841	142.968	ug/l	99
45) 1,2-Dichloropropane	9.209	63	101387	150.312	ug/l	99
46) Dibromomethane	9.301	93	57949	139.367	ug/l	98
47) Bromodichloromethane	9.490	83	133615	139.051	ug/l	96
48) Methyl methacrylate	9.289	41	78564	169.732	ug/l	98
49) 1,4-Dioxane	9.295	88	16186	3521.719	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	469074	823.508	ug/l	99
52) Toluene	10.240	92	251068	147.623	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	143750	152.626	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	161402	151.849	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	80429	144.364	ug/l	95
56) Ethyl methacrylate	10.508	69	120490	172.036	ug/l	98
57) 1,3-Dichloropropane	10.788	76	137251	145.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	274204	804.153	ug/l	97
59) 2-Hexanone	10.831	43	329342	834.499	ug/l	100
60) Dibromochloromethane	10.983	129	95892	143.931	ug/l	99
61) 1,2-Dibromoethane	11.087	107	76360	140.466	ug/l	100
64) Tetrachloroethene	10.715	164	94078	142.926	ug/l	97
65) Chlorobenzene	11.514	112	262424	145.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	95778	143.227	ug/l	99
67) Ethyl Benzene	11.587	91	479521	153.223	ug/l	99
68) m/p-Xylenes	11.697	106	370649	301.714	ug/l	100
69) o-Xylene	12.026	106	177864	162.034	ug/l	100
70) Styrene	12.038	104	309527	164.843	ug/l	98
71) Bromoform	12.203	173	60488	150.843	ug/l #	100
73) Isopropylbenzene	12.325	105	472764	158.714	ug/l	99
74) N-amyl acetate	12.142	43	169182	179.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	98357	146.507	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	68372m	85.684	ug/l	
77) Bromobenzene	12.605	156	107738	144.059	ug/l	96
78) n-propylbenzene	12.666	91	587982	156.447	ug/l	99
79) 2-Chlorotoluene	12.751	91	322339	154.025	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	389304	154.926	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	37714	164.996	ug/l	98
82) 4-Chlorotoluene	12.849	91	335541	152.002	ug/l	99
83) tert-Butylbenzene	13.075	119	338788	157.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	386078	155.843	ug/l	99
85) sec-Butylbenzene	13.251	105	510697	155.532	ug/l	100
86) p-Isopropyltoluene	13.367	119	425721	159.875	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	213787	145.478	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	214348	143.299	ug/l	99
89) n-Butylbenzene	13.696	91	432645	165.905	ug/l	100
90) Hexachloroethane	13.959	117	87560	153.092	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	204907	152.342	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17475	166.062	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	125619	168.343	ug/l	99
94) Hexachlorobutadiene	15.111	225	65052	148.827	ug/l	98
95) Naphthalene	15.233	128	285373	192.620	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	109579	166.021	ug/l	98

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

