

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007966.D
 Acq On : 21 Mar 2022 19:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 22 03:41:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	206627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	342783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171319	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.143	65	131109	55.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.300%	
35) Dibromofluoromethane	7.716	113	132807	50.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.680%	
50) Toluene-d8	10.179	98	453069	58.431	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.860%	
62) 4-Bromofluorobenzene	12.483	95	179063	47.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.520%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	67603	50.283	ug/l	98
3) Chloromethane	2.113	50	102482	63.108	ug/l	98
4) Vinyl Chloride	2.247	62	133842	65.177	ug/l	99
5) Bromomethane	2.650	94	106080	79.863	ug/l	99
6) Chloroethane	2.790	64	95530	56.534	ug/l	99
7) Trichlorofluoromethane	3.125	101	191887	50.651	ug/l	94
8) Diethyl Ether	3.528	74	76289	54.259	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	126162	51.559	ug/l	91
10) Methyl Iodide	4.088	142	105193	46.507	ug/l	91
11) Tert butyl alcohol	4.948	59	88691	323.145	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	110195	49.114	ug/l	88
13) Acrolein	3.729	56	17710	107.133	ug/l	99
14) Allyl chloride	4.479	41	204066	54.074	ug/l #	93
15) Acrylonitrile	5.161	53	233252	311.290	ug/l	98
16) Acetone	3.948	43	169305	270.891	ug/l	91
17) Carbon Disulfide	4.192	76	234133	55.303	ug/l	100
18) Methyl Acetate	4.472	43	101669	70.745	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	422204	59.990	ug/l	97
20) Methylene Chloride	4.710	84	150610	63.357	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	133405	53.110	ug/l	91
22) Diisopropyl ether	6.119	45	482750	59.459	ug/l	95
23) Vinyl Acetate	6.058	43	1628757	320.292	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	270063	59.055	ug/l	99
25) 2-Butanone	6.984	43	300059	299.730	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	233028	54.979	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	174275	57.804	ug/l	88
28) Bromochloromethane	7.332	49	105506	58.410	ug/l	88
29) Tetrahydrofuran	7.344	42	196071	305.670	ug/l #	86
30) Chloroform	7.509	83	286222	60.552	ug/l	99
31) Cyclohexane	7.783	56	205084	60.917	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	242573	56.977	ug/l	96
36) 1,1-Dichloropropene	7.917	75	193452	49.931	ug/l	99
37) Ethyl Acetate	7.070	43	131712	55.714	ug/l #	94
38) Carbon Tetrachloride	7.899	117	208484	50.357	ug/l	96
39) Methylcyclohexane	9.185	83	232720	54.519	ug/l	91
40) Benzene	8.161	78	577454	51.003	ug/l	95

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41) Methacrylonitrile	7.313	41	61691m	42.313	ug/l	
42) 1,2-Dichloroethane	8.234	62	178738	54.525	ug/l	91
43) Isopropyl Acetate	8.271	43	255226	56.000	ug/l #	92
44) Trichloroethene	8.941	130	153170	48.924	ug/l	96
45) 1,2-Dichloropropane	9.216	63	156995	53.552	ug/l	94
46) Dibromomethane	9.301	93	93569	54.560	ug/l	91
47) Bromodichloromethane	9.496	83	225501	54.428	ug/l	100
48) Methyl methacrylate	9.289	41	108436	53.485	ug/l #	85
49) 1,4-Dioxane	9.295	88	29569	1217.413	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	690460	287.541	ug/l	89
52) Toluene	10.246	92	373737	51.400	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	233298	52.784	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	255647	51.869	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	138541	55.603	ug/l	99
56) Ethyl methacrylate	10.508	69	196380	54.901	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	228092	54.895	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	472842	269.467	ug/l	96
59) 2-Hexanone	10.831	43	480629	279.897	ug/l	87
60) Dibromochloromethane	10.984	129	162515	54.460	ug/l	99
61) 1,2-Dibromoethane	11.087	107	128967	53.503	ug/l	100
64) Tetrachloroethene	10.715	164	119785	44.907	ug/l	93
65) Chlorobenzene	11.514	112	420613	51.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	163536	52.896	ug/l	97
67) Ethyl Benzene	11.593	91	738809	50.509	ug/l	98
68) m/p-Xylenes	11.703	106	571512	100.164	ug/l	94
69) o-Xylene	12.032	106	283161	51.306	ug/l	92
70) Styrene	12.044	104	480647	51.799	ug/l	96
71) Bromoform	12.209	173	101622	51.318	ug/l #	99
73) Isopropylbenzene	12.331	105	754402	50.028	ug/l	100
74) N-amyl acetate	12.142	43	233097	52.393	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	175643	54.110	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	128517m	52.631	ug/l	
77) Bromobenzene	12.611	156	169104	49.073	ug/l	97
78) n-propylbenzene	12.672	91	903286	49.606	ug/l	99
79) 2-Chlorotoluene	12.758	91	513494	50.122	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	616149	49.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	58962	50.717	ug/l #	85
82) 4-Chlorotoluene	12.855	91	530702	49.865	ug/l	99
83) tert-Butylbenzene	13.075	119	564030	50.826	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	608069	50.020	ug/l	98
85) sec-Butylbenzene	13.251	105	845346	50.829	ug/l	100
86) p-Isopropyltoluene	13.367	119	680714	50.417	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	345910	51.398	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	343941	50.990	ug/l	99
89) n-Butylbenzene	13.696	91	646683	49.909	ug/l	98
90) Hexachloroethane	13.959	117	138645	51.447	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	316548	52.291	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28915	51.778	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	181507	47.431	ug/l	97
94) Hexachlorobutadiene	15.111	225	90198	44.181	ug/l	99
95) Naphthalene	15.239	128	453001	53.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	160613	47.586	ug/l	98

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

