

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009158.D
 Acq On : 07 Jun 2022 11:05
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 07 12:22:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	127231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	210710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	213089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138726	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59590	45.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.020%
35) Dibromofluoromethane	7.710	113	64258	49.041	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.179	98	205119	42.434	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.860%
62) 4-Bromofluorobenzene	12.483	95	110954	56.902	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	53024	45.566	ug/l	97
3) Chloromethane	2.113	50	90560	54.321	ug/l	95
4) Vinyl Chloride	2.247	62	131444	53.219	ug/l	96
5) Bromomethane	2.637	94	112308	46.387	ug/l	99
6) Chloroethane	2.790	64	94966	54.273	ug/l	100
7) Trichlorofluoromethane	3.119	101	103375	49.285	ug/l	93
8) Diethyl Ether	3.521	74	33693	51.372	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	62369	48.381	ug/l	93
10) Methyl Iodide	4.088	142	69894	52.507	ug/l	92
11) Tert butyl alcohol	4.948	59	30203	227.398	ug/l	96
12) 1,1-Dichloroethene	3.863	96	57367	47.938	ug/l	86
13) Acrolein	3.723	56	4283	97.967	ug/l	93
14) Allyl chloride	4.472	41	87889	48.733	ug/l #	87
15) Acrylonitrile	5.161	53	85181	231.961	ug/l	100
16) Acetone	3.942	43	74670	273.949	ug/l	95
17) Carbon Disulfide	4.192	76	175277	44.832	ug/l	100
18) Methyl Acetate	4.472	43	40182	47.341	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	173090	48.189	ug/l	95
20) Methylene Chloride	4.710	84	70072	45.251	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	70927	46.176	ug/l	85
22) Diisopropyl ether	6.118	45	212643	49.078	ug/l #	95
23) Vinyl Acetate	6.057	43	709592	247.586	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	124578	48.072	ug/l	99
25) 2-Butanone	6.978	43	121146	248.842	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	119963	50.253	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	83774	48.382	ug/l	89
28) Bromochloromethane	7.332	49	37337	41.975	ug/l	89
29) Tetrahydrofuran	7.344	42	77364	233.941	ug/l #	85
30) Chloroform	7.502	83	134862	48.210	ug/l	99
31) Cyclohexane	7.783	56	108914	42.516	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	118625	46.741	ug/l	99
36) 1,1-Dichloropropene	7.917	75	101987	45.737	ug/l	98
37) Ethyl Acetate	7.069	43	53558	46.303	ug/l	96
38) Carbon Tetrachloride	7.899	117	106483	45.649	ug/l	99
39) Methylcyclohexane	9.179	83	123755	42.997	ug/l	91
40) Benzene	8.155	78	301583	46.902	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	25535m	42.781	ug/l	
42) 1,2-Dichloroethane	8.234	62	90897	48.142	ug/l	94
43) Isopropyl Acetate	8.270	43	105188	48.908	ug/l #	92
44) Trichloroethene	8.935	130	77419	45.472	ug/l	96
45) 1,2-Dichloropropane	9.215	63	74657	48.355	ug/l	97
46) Dibromomethane	9.301	93	46911	47.784	ug/l	93
47) Bromodichloromethane	9.496	83	108580	48.394	ug/l	98
48) Methyl methacrylate	9.289	41	45096	46.957	ug/l #	79
49) 1,4-Dioxane	9.301	88	11663	888.711	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	293544	246.615	ug/l	93
52) Toluene	10.240	92	213270	47.461	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	118972	49.934	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	124597	48.645	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	65116	47.409	ug/l	98
56) Ethyl methacrylate	10.508	69	85235	48.539	ug/l	88
57) 1,3-Dichloropropane	10.788	76	107781	48.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	156546	206.064	ug/l	96
59) 2-Hexanone	10.831	43	210573	258.384	ug/l	90
60) Dibromochloromethane	10.983	129	80642	48.435	ug/l	100
61) 1,2-Dibromoethane	11.087	107	63672	46.782	ug/l	99
64) Tetrachloroethene	10.715	164	68788	44.351	ug/l	99
65) Chlorobenzene	11.514	112	226337	46.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	88249	49.277	ug/l	97
67) Ethyl Benzene	11.593	91	425167	48.237	ug/l	99
68) m/p-Xylenes	11.703	106	353444	98.781	ug/l	92
69) o-Xylene	12.032	106	166660	50.158	ug/l	92
70) Styrene	12.044	104	291476	51.010	ug/l	95
71) Bromoform	12.209	173	58508	49.283	ug/l #	99
73) Isopropylbenzene	12.331	105	451244	43.501	ug/l	100
74) N-amyl acetate	12.142	43	116816	48.809	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	89377	41.827	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	68993m	46.312	ug/l	
77) Bromobenzene	12.611	156	100760	41.903	ug/l	96
78) n-propylbenzene	12.672	91	563327	47.004	ug/l	99
79) 2-Chlorotoluene	12.757	91	305576	44.203	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	396125	45.560	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	31912	43.967	ug/l	89
82) 4-Chlorotoluene	12.855	91	343573	46.467	ug/l	98
83) tert-Butylbenzene	13.074	119	315633	40.919	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	397543	46.059	ug/l	96
85) sec-Butylbenzene	13.257	105	539958	45.752	ug/l	99
86) p-Isopropyltoluene	13.367	119	466891	47.440	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	232881	45.401	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	234548	45.514	ug/l	99
89) n-Butylbenzene	13.696	91	421677	46.834	ug/l	99
90) Hexachloroethane	13.958	117	81454	44.164	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	206102	45.519	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13248	39.934	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	102397	41.206	ug/l	99
94) Hexachlorobutadiene	15.111	225	53642	39.606	ug/l	99
95) Naphthalene	15.239	128	204239	40.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	87968	40.737	ug/l	99

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

