

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040622\
 Data File : VY008238.D
 Acq On : 06 Apr 2022 16:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 02:12:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	147832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	229240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	70078	47.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.500%		
35) Dibromofluoromethane	7.715	113	77121	49.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.580%		
50) Toluene-d8	10.178	98	283922	48.161	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.483	95	99690	47.931	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	51758	38.838	ug/l	100
3) Chloromethane	2.113	50	76838	47.349	ug/l	97
4) Vinyl Chloride	2.247	62	103647	48.003	ug/l	98
5) Bromomethane	2.649	94	85088	48.085	ug/l	94
6) Chloroethane	2.789	64	71846	50.585	ug/l	98
7) Trichlorofluoromethane	3.125	101	116665	42.714	ug/l	94
8) Diethyl Ether	3.527	74	39962	45.180	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.893	101	75035	44.288	ug/l	92
10) Methyl Iodide	4.094	142	79013	40.269	ug/l	90
11) Tert butyl alcohol	4.948	59	29108	189.152	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	68603	43.738	ug/l	81
13) Acrolein	3.728	56	22585	180.313	ug/l	97
14) Allyl chloride	4.478	41	93568	45.341	ug/l #	90
15) Acrylonitrile	5.161	53	97741	231.991	ug/l	97
16) Acetone	3.942	43	77742	229.316	ug/l #	86
17) Carbon Disulfide	4.192	76	181061	40.739	ug/l	99
18) Methyl Acetate	4.472	43	39354	43.202	ug/l #	79
19) Methyl tert-butyl Ether	5.222	73	204322	45.838	ug/l	94
20) Methylene Chloride	4.716	84	89992	52.400	ug/l #	74
21) trans-1,2-Dichloroethene	5.216	96	83134	45.775	ug/l #	82
22) Diisopropyl ether	6.118	45	219357	49.407	ug/l #	88
23) Vinyl Acetate	6.057	43	691418	251.329	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	141746	48.224	ug/l	98
25) 2-Butanone	6.984	43	118254	229.216	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	129781	46.623	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	100403	47.694	ug/l	81
28) Bromochloromethane	7.331	49	37154	47.482	ug/l #	72
29) Tetrahydrofuran	7.344	42	75339	224.619	ug/l #	74
30) Chloroform	7.502	83	155078	48.726	ug/l	98
31) Cyclohexane	7.783	56	116191	41.909	ug/l #	79
32) 1,1,1-Trichloroethane	7.697	97	138130	46.972	ug/l	94
36) 1,1-Dichloropropene	7.917	75	114380	46.534	ug/l	95
37) Ethyl Acetate	7.069	43	52941	46.106	ug/l #	91
38) Carbon Tetrachloride	7.898	117	120962	45.158	ug/l	98
39) Methylcyclohexane	9.179	83	144514	43.558	ug/l #	84
40) Benzene	8.161	78	338132	48.092	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	29266	50.760	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	92765	47.033	ug/l	90
43) Isopropyl Acetate	8.270	43	101239	44.913	ug/l #	85
44) Trichloroethene	8.941	130	97215	47.815	ug/l	99
45) 1,2-Dichloropropane	9.215	63	80842	48.788	ug/l	93
46) Dibromomethane	9.307	93	52279	47.983	ug/l	96
47) Bromodichloromethane	9.496	83	121308	48.691	ug/l	98
48) Methyl methacrylate	9.288	41	43337	43.408	ug/l #	73
49) 1,4-Dioxane	9.294	88	13301	918.325	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	261947	230.409	ug/l #	83
52) Toluene	10.239	92	227672	49.376	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	123181	48.234	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	140270	48.520	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	74666	49.630	ug/l	99
56) Ethyl methacrylate	10.508	69	93328	47.557	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	120512	48.943	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	167216	205.651	ug/l #	89
59) 2-Hexanone	10.831	43	185135	232.720	ug/l	79
60) Dibromochloromethane	10.983	129	89335	48.824	ug/l	99
61) 1,2-Dibromoethane	11.087	107	72401	48.320	ug/l	99
64) Tetrachloroethene	10.721	164	81120	46.073	ug/l	99
65) Chlorobenzene	11.514	112	250759	48.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	93756	49.174	ug/l	97
67) Ethyl Benzene	11.593	91	441221	48.703	ug/l	96
68) m/p-Xylenes	11.703	106	353549	98.144	ug/l	89
69) o-Xylene	12.032	106	169004	48.999	ug/l	90
70) Styrene	12.044	104	284735	50.428	ug/l	94
71) Bromoform	12.209	173	54872	47.666	ug/l #	99
73) Isopropylbenzene	12.330	105	449001	46.755	ug/l	99
74) N-amyl acetate	12.141	43	91082	43.146	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.580	83	86618	46.405	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	75091m	52.946	ug/l	
77) Bromobenzene	12.611	156	105466	47.871	ug/l	89
78) n-propylbenzene	12.672	91	527334	46.554	ug/l	97
79) 2-Chlorotoluene	12.757	91	291308	46.359	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	368943	46.896	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	28346	44.593	ug/l #	82
82) 4-Chlorotoluene	12.855	91	299631	46.472	ug/l	95
83) tert-Butylbenzene	13.074	119	328272	46.835	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	365012	47.644	ug/l	95
85) sec-Butylbenzene	13.251	105	489002	47.267	ug/l	98
86) p-Isopropyltoluene	13.373	119	411591	47.804	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	215416	49.318	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	214095	49.149	ug/l	97
89) n-Butylbenzene	13.696	91	368986	46.579	ug/l	98
90) Hexachloroethane	13.964	117	75893	45.492	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	189658	49.318	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11929	40.041	ug/l	69
93) 1,2,4-Trichlorobenzene	15.007	180	106936	46.428	ug/l	99
94) Hexachlorobutadiene	15.117	225	54521	44.746	ug/l	99
95) Naphthalene	15.238	128	225906	44.372	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	91984	46.156	ug/l	99

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

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