

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
 Data File : VY008323.D
 Acq On : 14 Apr 2022 12:12
 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 :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/15/2022

Quant Time: Apr 15 06:12:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

04/15/2022
 Supervised By :Mahesh
 Dadoda

04/15/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	150711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	228894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	58493	41.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.640%
35) Dibromofluoromethane	7.716	113	64703	44.726	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.460%
50) Toluene-d8	10.179	98	226551	45.766	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.540%
62) 4-Bromofluorobenzene	12.483	95	82611	44.369	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.740%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	51411	41.191	ug/l	97
3) Chloromethane	2.113	50	71086	50.345	ug/l	93
4) Vinyl Chloride	2.253	62	97547	45.433	ug/l	96
5) Bromomethane	2.650	94	84269	50.585	ug/l	96
6) Chloroethane	2.796	64	70091	46.609	ug/l	97
7) Trichlorofluoromethane	3.125	101	119335	46.710	ug/l	92
8) Diethyl Ether	3.528	74	43377	46.981	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	78129	47.079	ug/l	92
10) Methyl Iodide	4.095	142	93658	50.477	ug/l	90
11) Tert butyl alcohol	4.948	59	40641	268.531	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	69538	46.779	ug/l	81
13) Acrolein	3.729	56	23340	195.858	ug/l	97
14) Allyl chloride	4.473	41	95808	49.385	ug/l #	91
15) Acrylonitrile	5.155	53	107217	237.426	ug/l	98
16) Acetone	3.948	43	88429	259.703	ug/l #	83
17) Carbon Disulfide	4.192	76	169659	43.263	ug/l	99
18) Methyl Acetate	4.473	43	44650	54.828	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	229921	50.120	ug/l	95
20) Methylene Chloride	4.716	84	88731	49.201	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	86127	48.358	ug/l #	82
22) Diisopropyl ether	6.119	45	231565	50.593	ug/l #	88
23) Vinyl Acetate	6.058	43	751886	253.525	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	150677	51.285	ug/l	97
25) 2-Butanone	6.984	43	134254	252.154	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	144567	53.432	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	106302	50.305	ug/l	81
28) Bromochloromethane	7.332	49	50149	44.532	ug/l #	68
29) Tetrahydrofuran	7.344	42	83533	243.003	ug/l #	71
30) Chloroform	7.502	83	167595	51.086	ug/l	100
31) Cyclohexane	7.783	56	113626	44.386	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	148100	51.606	ug/l	95
36) 1,1-Dichloropropene	7.917	75	116989	50.642	ug/l	96
37) Ethyl Acetate	7.070	43	59118	49.631	ug/l #	92
38) Carbon Tetrachloride	7.899	117	129575	52.137	ug/l	99
39) Methylcyclohexane	9.179	83	145803	49.053	ug/l #	84
40) Benzene	8.161	78	355425	51.667	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	32575m	48.884	ug/l	
42) 1,2-Dichloroethane	8.234	62	101240	50.727	ug/l	89
43) Isopropyl Acetate	8.271	43	114563	51.822	ug/l #	84
44) Trichloroethene	8.941	130	100220	51.119	ug/l	98
45) 1,2-Dichloropropane	9.216	63	87882	52.295	ug/l	96
46) Dibromomethane	9.307	93	56878	51.138	ug/l	96
47) Bromodichloromethane	9.496	83	132900	53.130	ug/l	99
48) Methyl methacrylate	9.289	41	48546	51.657	ug/l #	73
49) 1,4-Dioxane	9.295	88	15441	1075.762	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	299946	262.760	ug/l #	83
52) Toluene	10.246	92	234887	51.824	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	133850	52.506	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	150799	52.434	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	81870	51.601	ug/l	97
56) Ethyl methacrylate	10.508	69	103852	53.389	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	130673	51.288	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	157257	205.237	ug/l #	89
59) 2-Hexanone	10.831	43	208433	265.360	ug/l	78
60) Dibromochloromethane	10.984	129	98341	53.062	ug/l	100
61) 1,2-Dibromoethane	11.087	107	78663	50.710	ug/l	99
64) Tetrachloroethene	10.721	164	83469	51.739	ug/l	98
65) Chlorobenzene	11.514	112	264674	53.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	100853	54.447	ug/l	96
67) Ethyl Benzene	11.593	91	460461	54.547	ug/l	97
68) m/p-Xylenes	11.703	106	374469	111.541	ug/l	90
69) o-Xylene	12.032	106	181443	55.693	ug/l	89
70) Styrene	12.044	104	309702	57.640	ug/l	94
71) Bromoform	12.209	173	59761	53.523	ug/l #	100
73) Isopropylbenzene	12.331	105	476560	55.577	ug/l	99
74) N-amyl acetate	12.142	43	102637	55.133	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	96677	53.283	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	60023m	47.057	ug/l	
77) Bromobenzene	12.611	156	108021	51.409	ug/l	93
78) n-propylbenzene	12.672	91	558572	55.205	ug/l	97
79) 2-Chlorotoluene	12.758	91	313604	55.227	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	391874	55.734	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	31792	55.767	ug/l #	81
82) 4-Chlorotoluene	12.855	91	326103	55.883	ug/l	95
83) tert-Butylbenzene	13.075	119	346869	54.991	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	393832	56.599	ug/l	97
85) sec-Butylbenzene	13.258	105	526680	56.320	ug/l	99
86) p-Isopropyltoluene	13.373	119	445418	57.078	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	229508	55.151	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	227227	55.170	ug/l	97
89) n-Butylbenzene	13.696	91	389925	55.304	ug/l	98
90) Hexachloroethane	13.965	117	80944	55.497	ug/l	83
91) 1,2-Dichlorobenzene	13.745	146	201279	54.365	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13520	52.081	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	105961	48.388	ug/l	99
94) Hexachlorobutadiene	15.117	225	52489	47.214	ug/l	100
95) Naphthalene	15.239	128	227340	48.466	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	90330	47.138	ug/l	99

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

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