

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012364.D
 Acq On : 25 Jan 2023 18:14
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/26/2023
 Supervised By :Mahesh Dadoda 01/26/2023

Quant Time: Jan 26 04:10:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	163288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	245616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	231385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69088	51.134	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.260%			
35) Dibromofluoromethane	7.716	113	61490	47.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.560%			
50) Toluene-d8	10.179	98	221790	49.146	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.483	95	87256	47.594	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	56279	39.439	ug/l	97
3) Chloromethane	2.113	50	52570	39.907	ug/l	98
4) Vinyl Chloride	2.253	62	65657	42.701	ug/l	100
5) Bromomethane	2.650	94	53122	44.686	ug/l	97
6) Chloroethane	2.796	64	47862	47.729	ug/l	100
7) Trichlorofluoromethane	3.125	101	143034	47.663	ug/l	99
8) Diethyl Ether	3.534	74	43687	48.923	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.899	101	70009	47.933	ug/l	95
10) Methyl Iodide	4.088	142	101711	45.824	ug/l	94
11) Tert butyl alcohol	4.960	59	44484	278.353	ug/l	99
12) 1,1-Dichloroethene	3.869	96	70549	47.042	ug/l	96
13) Acrolein	3.729	56	16743	283.556	ug/l	99
14) Allyl chloride	4.479	41	86409	46.598	ug/l #	83
15) Acrylonitrile	5.161	53	103515	265.391	ug/l	99
16) Acetone	3.948	43	112735	247.941	ug/l	100
17) Carbon Disulfide	4.192	76	202580	43.671	ug/l	100
18) Methyl Acetate	4.479	43	54098	53.171	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	215384	51.520	ug/l	94
20) Methylene Chloride	4.716	84	88269	45.671	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	80168	47.904	ug/l	89
22) Diisopropyl ether	6.118	45	180704	48.880	ug/l #	87
23) Vinyl Acetate	6.058	43	585912	254.342	ug/l #	90
24) 1,1-Dichloroethane	6.015	63	124380	48.506	ug/l	97
25) 2-Butanone	6.984	43	128400	255.795	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	137054	49.236	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	92028	50.062	ug/l	93
28) Bromochloromethane	7.332	49	25278	45.139	ug/l #	71
29) Tetrahydrofuran	7.350	42	74445	269.997	ug/l #	80
30) Chloroform	7.508	83	151953	50.201	ug/l	98
31) Cyclohexane	7.783	56	104372	43.840	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	149299	49.822	ug/l	98
36) 1,1-Dichloropropene	7.917	75	107159	48.482	ug/l	97
37) Ethyl Acetate	7.076	43	50820	52.156	ug/l #	93
38) Carbon Tetrachloride	7.899	117	143418	50.241	ug/l	96
39) Methylcyclohexane	9.185	83	132812	49.170	ug/l	91
40) Benzene	8.161	78	318059	49.857	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	26831m	46.847	ug/l	
42) 1,2-Dichloroethane	8.240	62	108284	53.317	ug/l	99
43) Isopropyl Acetate	8.277	43	96304	53.124	ug/l #	93
44) Trichloroethene	8.941	130	95805	50.245	ug/l	97
45) 1,2-Dichloropropane	9.215	63	66841	50.213	ug/l	99
46) Dibromomethane	9.307	93	47042	52.788	ug/l	95
47) Bromodichloromethane	9.496	83	117675	52.458	ug/l	98
48) Methyl methacrylate	9.295	41	44830	53.671	ug/l	86
49) 1,4-Dioxane	9.301	88	13920	1146.347	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	267073	276.287	ug/l	93
52) Toluene	10.246	92	218377	51.412	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	124396	53.016	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	129966	51.432	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	68190	53.858	ug/l	95
56) Ethyl methacrylate	10.508	69	92482	55.677	ug/l	92
57) 1,3-Dichloropropane	10.788	76	111252	53.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	133892	243.609	ug/l #	87
59) 2-Hexanone	10.831	43	202831	275.600	ug/l	94
60) Dibromochloromethane	10.983	129	90114	53.662	ug/l	100
61) 1,2-Dibromoethane	11.087	107	65362	53.500	ug/l	98
64) Tetrachloroethene	10.721	164	111475	52.798	ug/l	92
65) Chlorobenzene	11.520	112	237168	50.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	92162	51.575	ug/l	97
67) Ethyl Benzene	11.593	91	420684	49.720	ug/l	99
68) m/p-Xylenes	11.703	106	339225	101.401	ug/l	98
69) o-Xylene	12.032	106	161184	50.444	ug/l	98
70) Styrene	12.044	104	274101	51.341	ug/l	99
71) Bromoform	12.209	173	62077	54.373	ug/l #	99
73) Isopropylbenzene	12.331	105	434476	49.016	ug/l	99
74) N-amyl acetate	12.148	43	86169	49.592	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	70840	50.739	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	52501m	46.447	ug/l	
77) Bromobenzene	12.611	156	104756	49.114	ug/l	92
78) n-propylbenzene	12.672	91	496416	47.859	ug/l	97
79) 2-Chlorotoluene	12.758	91	282349	48.145	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	379326	49.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	28501	51.953	ug/l	96
82) 4-Chlorotoluene	12.855	91	294083	47.739	ug/l	97
83) tert-Butylbenzene	13.075	119	329849	49.115	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	376194	49.505	ug/l	99
85) sec-Butylbenzene	13.257	105	461600	48.275	ug/l	97
86) p-Isopropyltoluene	13.373	119	409403	49.006	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	206376	48.649	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	205572	48.592	ug/l	99
89) n-Butylbenzene	13.696	91	348733	48.169	ug/l	98
90) Hexachloroethane	13.965	117	71919	47.686	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	185518	49.012	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15223	52.760	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	117786	48.565	ug/l	99
94) Hexachlorobutadiene	15.111	225	69070	47.300	ug/l	99
95) Naphthalene	15.239	128	249064	52.028	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	105303	50.455	ug/l	97

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

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