

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040723\
 Data File : VY013221.D
 Acq On : 07 Apr 2023 17:44
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/10/2023
 Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 08 02:29:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040723S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 08 02:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	84550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	128416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	115525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21797	19.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.715	113	18456	20.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.020%#		
50) Toluene-d8	10.178	98	65503	20.516	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.477	95	22004	19.966	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	18228	22.604	ug/l	94
3) Chloromethane	2.107	50	25962	22.271	ug/l	98
4) Vinyl Chloride	2.247	62	20008	20.931	ug/l	97
5) Bromomethane	2.643	94	11993	20.490	ug/l	89
6) Chloroethane	2.783	64	15398	21.025	ug/l	99
7) Trichlorofluoromethane	3.119	101	31293	21.428	ug/l	99
8) Diethyl Ether	3.527	74	10787	19.944	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	18254	20.949	ug/l	97
10) Methyl Iodide	4.082	142	19502	19.839	ug/l	95
11) Tert butyl alcohol	4.942	59	23118	100.759	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	16500	20.804	ug/l	97
13) Acrolein	3.722	56	10163	102.077	ug/l	99
14) Allyl chloride	4.478	41	32711	20.093	ug/l	94
15) Acrylonitrile	5.155	53	31863	93.103	ug/l	99
16) Acetone	3.942	43	34795	88.097	ug/l	93
17) Carbon Disulfide	4.192	76	50398	21.787	ug/l	99
18) Methyl Acetate	4.472	43	24954	18.831	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	52024	19.372	ug/l	99
20) Methylene Chloride	4.710	84	24908	20.932	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	19099	20.423	ug/l	99
22) Diisopropyl ether	6.112	45	68807	20.335	ug/l	93
23) Vinyl Acetate	6.057	43	207152	97.355	ug/l	98
24) 1,1-Dichloroethane	6.015	63	36902	20.459	ug/l	100
25) 2-Butanone	6.984	43	48088	88.826	ug/l	99
26) 2,2-Dichloropropane	6.972	77	33489	20.089	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	21168	19.889	ug/l	93
28) Bromochloromethane	7.331	49	15924	19.115	ug/l	96
29) Tetrahydrofuran	7.344	42	29680	91.142	ug/l	96
30) Chloroform	7.502	83	37295	20.155	ug/l	98
31) Cyclohexane	7.783	56	31377	20.521	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	34145	20.758	ug/l	97
36) 1,1-Dichloropropene	7.917	75	26377	19.975	ug/l	99
37) Ethyl Acetate	7.069	43	20869	18.832	ug/l	98
38) Carbon Tetrachloride	7.898	117	32048	21.180	ug/l	98
39) Methylcyclohexane	9.179	83	30369	20.676	ug/l	92
40) Benzene	8.154	78	81057	20.769	ug/l	97

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41) Methacrylonitrile	7.301	41	7500m	17.928	ug/l	
42) 1,2-Dichloroethane	8.234	62	27914	20.571	ug/l	97
43) Isopropyl Acetate	8.270	43	36005	18.504	ug/l	98
44) Trichloroethene	8.935	130	20636	20.566	ug/l	97
45) 1,2-Dichloropropane	9.209	63	20540	20.090	ug/l	95
46) Dibromomethane	9.301	93	11947	19.195	ug/l	97
47) Bromodichloromethane	9.490	83	29466	20.263	ug/l	98
48) Methyl methacrylate	9.288	41	16022	18.777	ug/l	93
49) 1,4-Dioxane	9.294	88	2854	342.419	ug/l	93
51) 4-Methyl-2-Pentanone	10.063	43	101773	93.343	ug/l	97
52) Toluene	10.239	92	49022	20.662	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	30052	19.741	ug/l	97
54) cis-1,3-Dichloropropene	9.922	75	31964	19.526	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	16382	19.491	ug/l	97
56) Ethyl methacrylate	10.508	69	20857	18.169	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	28655	19.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	52613	96.905	ug/l	99
59) 2-Hexanone	10.831	43	71747	91.289	ug/l	95
60) Dibromochloromethane	10.983	129	20640	19.793	ug/l	99
61) 1,2-Dibromoethane	11.087	107	15971	19.664	ug/l	99
64) Tetrachloroethene	10.715	164	18144	20.835	ug/l	98
65) Chlorobenzene	11.514	112	53946	20.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	20491	19.942	ug/l	99
67) Ethyl Benzene	11.593	91	93358	20.611	ug/l	97
68) m/p-Xylenes	11.696	106	73592	42.482	ug/l	99
69) o-Xylene	12.026	106	33098	20.432	ug/l	99
70) Styrene	12.044	104	57896	20.852	ug/l	99
71) Bromoform	12.203	173	13753	19.238	ug/l #	97
73) Isopropylbenzene	12.324	105	90265	20.029	ug/l	100
74) N-amyl acetate	12.142	43	31075	18.657	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	21530	18.742	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	18237m	21.336	ug/l	
77) Bromobenzene	12.605	156	22103	19.584	ug/l	100
78) n-propylbenzene	12.672	91	112335	20.320	ug/l	99
79) 2-Chlorotoluene	12.751	91	63195	20.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	75506	20.231	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	7615	18.589	ug/l	93
82) 4-Chlorotoluene	12.849	91	66976	20.399	ug/l	99
83) tert-Butylbenzene	13.074	119	66285	20.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	73965	20.296	ug/l	99
85) sec-Butylbenzene	13.251	105	98698	20.404	ug/l	100
86) p-Isopropyltoluene	13.367	119	82688	20.585	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	44638	20.066	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	45862	20.270	ug/l	98
89) n-Butylbenzene	13.696	91	76171	20.010	ug/l	99
90) Hexachloroethane	13.958	117	16820	19.702	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	41486	20.318	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3880	18.160	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	23431	19.173	ug/l	98
94) Hexachlorobutadiene	15.104	225	14356	19.596	ug/l	97
95) Naphthalene	15.232	128	47835	17.730	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	21686	19.084	ug/l	99

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

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