

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012086.D
 Acq On : 06 Jan 2023 12:30
 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 01/09/2023
 Supervised By :Mahesh Dadoda 01/09/2023

Quant Time: Jan 07 01:18:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:17:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	174674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	239211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	43025	21.854	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.700%#		
35) Dibromofluoromethane	7.716	113	36207	21.096	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.200%#		
50) Toluene-d8	10.179	98	150309	22.294	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.580%#		
62) 4-Bromofluorobenzene	12.483	95	50886	21.551	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	43.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34679	22.865	ug/l	100
3) Chloromethane	2.113	50	31564	23.087	ug/l	100
4) Vinyl Chloride	2.253	62	36569	21.585	ug/l	95
5) Bromomethane	2.643	94	27043	22.084	ug/l	98
6) Chloroethane	2.790	64	24761	21.953	ug/l	97
7) Trichlorofluoromethane	3.125	101	72446	21.389	ug/l	99
8) Diethyl Ether	3.534	74	22138	21.255	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	36475	20.973	ug/l	96
10) Methyl Iodide	4.088	142	50937	21.426	ug/l	95
11) Tert butyl alcohol	4.948	59	29137	105.838	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	36478	21.560	ug/l	97
13) Acrolein	3.723	56	15787	140.415	ug/l	96
14) Allyl chloride	4.479	41	48667	21.313	ug/l	92
15) Acrylonitrile	5.155	53	51543	104.946	ug/l	100
16) Acetone	3.948	43	46375	98.659	ug/l	100
17) Carbon Disulfide	4.192	76	112022	24.564	ug/l	99
18) Methyl Acetate	4.479	43	27481	20.179	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	104634	20.610	ug/l	99
20) Methylene Chloride	4.710	84	47321	20.773	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	40023	21.247	ug/l	90
22) Diisopropyl ether	6.118	45	100691	21.151	ug/l #	93
23) Vinyl Acetate	6.064	43	305116	105.663	ug/l	95
24) 1,1-Dichloroethane	6.015	63	65083	20.714	ug/l	98
25) 2-Butanone	6.984	43	63034	101.818	ug/l	95
26) 2,2-Dichloropropane	6.984	77	67334	19.784	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	45566	21.092	ug/l	96
28) Bromochloromethane	7.332	49	15805	19.782	ug/l	82
29) Tetrahydrofuran	7.350	42	38231	104.758	ug/l	87
30) Chloroform	7.502	83	73888	20.565	ug/l	100
31) Cyclohexane	7.789	56	59681	22.183	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	72669	20.787	ug/l	98
36) 1,1-Dichloropropene	7.917	75	54687	20.966	ug/l	98
37) Ethyl Acetate	7.070	43	29552	21.072	ug/l	96
38) Carbon Tetrachloride	7.905	117	69409	20.927	ug/l	98
39) Methylcyclohexane	9.185	83	68252	21.561	ug/l	98
40) Benzene	8.161	78	159226	20.956	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	16023m	22.900	ug/l	
42) 1,2-Dichloroethane	8.240	62	50961	20.816	ug/l	99
43) Isopropyl Acetate	8.271	43	49849	20.893	ug/l	97
44) Trichloroethene	8.941	130	47220	21.112	ug/l	98
45) 1,2-Dichloropropane	9.215	63	34610	20.388	ug/l	99
46) Dibromomethane	9.301	93	22608	20.864	ug/l	97
47) Bromodichloromethane	9.496	83	56520	20.465	ug/l	99
48) Methyl methacrylate	9.289	41	22661	21.008	ug/l	94
49) 1,4-Dioxane	9.301	88	6475	428.488	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	133409	104.165	ug/l	97
52) Toluene	10.246	92	105457	20.911	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	59458	20.857	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	64376	20.950	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	32358	20.592	ug/l	97
56) Ethyl methacrylate	10.508	69	42775	20.777	ug/l	97
57) 1,3-Dichloropropane	10.788	76	53830	20.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	78869	105.194	ug/l	92
59) 2-Hexanone	10.831	43	93882	104.235	ug/l	97
60) Dibromochloromethane	10.983	129	41860	20.329	ug/l	99
61) 1,2-Dibromoethane	11.087	107	31061	20.934	ug/l	100
64) Tetrachloroethene	10.721	164	49376	21.205	ug/l	97
65) Chlorobenzene	11.514	112	113485	20.821	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	43398	20.389	ug/l	98
67) Ethyl Benzene	11.593	91	201184	20.676	ug/l	99
68) m/p-Xylenes	11.703	106	158549	41.445	ug/l	100
69) o-Xylene	12.026	106	75828	20.810	ug/l	99
70) Styrene	12.044	104	128950	20.856	ug/l	99
71) Bromoform	12.209	173	28003	20.508	ug/l #	99
73) Isopropylbenzene	12.331	105	203909	20.462	ug/l	99
74) N-amyl acetate	12.142	43	42708	20.269	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	34693	20.391	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	29484m	17.844	ug/l	
77) Bromobenzene	12.611	156	48674	20.363	ug/l	93
78) n-propylbenzene	12.672	91	239497	20.544	ug/l	99
79) 2-Chlorotoluene	12.758	91	137013	20.681	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	176634	20.621	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13460	20.527	ug/l	99
82) 4-Chlorotoluene	12.855	91	143101	20.518	ug/l	99
83) tert-Butylbenzene	13.075	119	150922	20.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	176268	20.756	ug/l	99
85) sec-Butylbenzene	13.251	105	219131	20.329	ug/l	98
86) p-Isopropyltoluene	13.367	119	191689	20.556	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	96908	20.384	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	95970	20.159	ug/l	100
89) n-Butylbenzene	13.696	91	165096	20.355	ug/l	98
90) Hexachloroethane	13.959	117	34292	19.966	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	86420	20.266	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6650	19.442	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	52770	19.914	ug/l	98
94) Hexachlorobutadiene	15.111	225	32265	20.042	ug/l	99
95) Naphthalene	15.233	128	102895	19.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	45471	19.757	ug/l	98

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

