

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100523\
 Data File : VY015845.D
 Acq On : 05 Oct 2023 13:09
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023

Quant Time: Oct 06 05:19:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:15:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	207740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	343560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40288	19.712	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.420%#		
35) Dibromofluoromethane	7.716	113	38529	19.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.340%#		
50) Toluene-d8	10.179	98	120719	18.987	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.980%#		
62) 4-Bromofluorobenzene	12.477	95	51114	19.668	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	17846	18.680	ug/l	95
3) Chloromethane	2.107	50	18840	17.745	ug/l	99
4) Vinyl Chloride	2.247	62	23865	17.847	ug/l	96
5) Bromomethane	2.637	94	15118	15.404	ug/l	98
6) Chloroethane	2.778	64	17970	18.814	ug/l	99
7) Trichlorofluoromethane	3.113	101	50971	19.646	ug/l	98
8) Diethyl Ether	3.527	74	22049	19.493	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	33737	19.950	ug/l	95
10) Methyl Iodide	4.082	142	24332	17.880	ug/l	98
11) Tert butyl alcohol	4.978	59	69587	151.379	ug/l #	88
12) 1,1-Dichloroethene	3.863	96	25323	18.725	ug/l	88
13) Acrolein	3.729	56	16166	102.525	ug/l	100
14) Allyl chloride	4.466	41	49110	19.261	ug/l	92
15) Acrylonitrile	5.167	53	93169	105.593	ug/l	97
16) Acetone	3.954	43	117333	110.808	ug/l	90
17) Carbon Disulfide	4.186	76	30364	16.570	ug/l	99
18) Methyl Acetate	4.479	43	68426	19.855	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	127878	20.005	ug/l	98
20) Methylene Chloride	4.710	84	56367	21.005	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	28916	18.562	ug/l	92
22) Diisopropyl ether	6.119	45	132568	20.023	ug/l	95
23) Vinyl Acetate	6.058	43	412613	102.967	ug/l	95
24) 1,1-Dichloroethane	6.009	63	69823	19.860	ug/l #	96
25) 2-Butanone	6.990	43	158151	108.580	ug/l	97
26) 2,2-Dichloropropane	6.978	77	62761	19.210	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	43911	19.500	ug/l	97
28) Bromochloromethane	7.332	49	41587	20.227	ug/l	93
29) Tetrahydrofuran	7.350	42	86362	106.262	ug/l	92
30) Chloroform	7.502	83	79815	20.294	ug/l	97
31) Cyclohexane	7.777	56	41811	18.149	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	63367	19.709	ug/l	99
36) 1,1-Dichloropropene	7.911	75	44972	19.249	ug/l	100
37) Ethyl Acetate	7.076	43	57153	21.860	ug/l	96
38) Carbon Tetrachloride	7.893	117	54756	19.932	ug/l	94
39) Methylcyclohexane	9.179	83	46117	18.457	ug/l	94
40) Benzene	8.161	78	142375	19.421	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26853	21.976	ug/l #	91
42) 1,2-Dichloroethane	8.234	62	53632	20.318	ug/l	94
43) Isopropyl Acetate	8.271	43	93630	20.806	ug/l	98
44) Trichloroethene	8.941	130	42507	19.812	ug/l	96
45) 1,2-Dichloropropane	9.216	63	44404	20.478	ug/l	93
46) Dibromomethane	9.307	93	27624	19.926	ug/l	97
47) Bromodichloromethane	9.496	83	64636	20.086	ug/l	97
48) Methyl methacrylate	9.289	41	40398	20.554	ug/l	89
49) 1,4-Dioxane	9.319	88	13878	446.902	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	304866	108.295	ug/l	93
52) Toluene	10.246	92	94841	19.773	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	66288	19.633	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	70892	19.778	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	44406	20.389	ug/l	98
56) Ethyl methacrylate	10.508	69	64646	20.472	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	70357	20.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	185732	100.942	ug/l	96
59) 2-Hexanone	10.831	43	239795	109.772	ug/l	91
60) Dibromochloromethane	10.983	129	50357	20.018	ug/l	99
61) 1,2-Dibromoethane	11.087	107	40997	20.143	ug/l	100
64) Tetrachloroethene	10.721	164	45458	20.895	ug/l	98
65) Chlorobenzene	11.514	112	116261	20.312	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	48010	20.400	ug/l	98
67) Ethyl Benzene	11.593	91	197474	20.157	ug/l	99
68) m/p-Xylenes	11.703	106	151023	40.553	ug/l	95
69) o-Xylene	12.026	106	75086	20.270	ug/l	96
70) Styrene	12.044	104	132051	20.420	ug/l	97
71) Bromoform	12.209	173	36046	20.541	ug/l #	98
73) Isopropylbenzene	12.331	105	204518	20.084	ug/l	100
74) N-amyl acetate	12.142	43	82807	21.044	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	61424	20.420	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	46949m	20.175	ug/l	
77) Bromobenzene	12.605	156	50543	20.064	ug/l	93
78) n-propylbenzene	12.672	91	246923	20.245	ug/l	100
79) 2-Chlorotoluene	12.751	91	141167	20.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	171104	20.162	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	20353	20.247	ug/l	93
82) 4-Chlorotoluene	12.855	91	148070	20.142	ug/l	99
83) tert-Butylbenzene	13.075	119	157964	20.363	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	173291	20.326	ug/l	98
85) sec-Butylbenzene	13.251	105	232364	20.417	ug/l	100
86) p-Isopropyltoluene	13.367	119	193273	20.393	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	102184	20.260	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	104167	20.427	ug/l	98
89) n-Butylbenzene	13.696	91	183710	20.371	ug/l	96
90) Hexachloroethane	13.959	117	37429	20.233	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	97018	20.424	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12470	20.660	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	62127	20.095	ug/l	98
94) Hexachlorobutadiene	15.111	225	33198	20.608	ug/l	99
95) Naphthalene	15.233	128	169098	20.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	57640	19.898	ug/l	99

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

