

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083022\
 Data File : VY010226.D
 Acq On : 30 Aug 2022 18:38
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2022
 Supervised By :Mahesh Dadoda 08/31/2022

Quant Time: Aug 31 01:33:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 01:28:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	198620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	289335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	313615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	17827	8.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	16.640%#
35) Dibromofluoromethane	7.704	113	23786	12.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	25.660%#
50) Toluene-d8	10.173	98	56288	7.883	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	15.760%#
62) 4-Bromofluorobenzene	12.477	95	46378	18.454	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	36.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33485	22.729	ug/l	100
3) Chloromethane	2.107	50	31817	18.238	ug/l	94
4) Vinyl Chloride	2.235	62	36043	18.462	ug/l	97
5) Bromomethane	2.631	94	27508	19.965	ug/l	98
6) Chloroethane	2.778	64	23503	17.994	ug/l	98
7) Trichlorofluoromethane	3.107	101	64888	20.276	ug/l	94
8) Diethyl Ether	3.521	74	21061	18.536	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.881	101	37263	18.781	ug/l	88
10) Methyl Iodide	4.076	142	48007	19.647	ug/l	91
11) Tert butyl alcohol	4.948	59	17196	43.730	ug/l	97
12) 1,1-Dichloroethene	3.857	96	37313	19.606	ug/l #	74
13) Acrolein	3.717	56	22380	202.098	ug/l	98
14) Allyl chloride	4.466	41	49226	15.085	ug/l #	92
15) Acrylonitrile	5.155	53	48180	78.103	ug/l	97
16) Acetone	3.936	43	36731	70.810	ug/l	93
17) Carbon Disulfide	4.174	76	111998	21.085	ug/l	100
18) Methyl Acetate	4.466	43	24963	13.882	ug/l #	87
19) Methyl tert-butyl Ether	5.204	73	95466	17.193	ug/l	94
20) Methylene Chloride	4.698	84	44307	12.775	ug/l #	80
21) trans-1,2-Dichloroethene	5.210	96	41143	18.641	ug/l #	77
22) Diisopropyl ether	6.106	45	101424	14.973	ug/l #	92
23) Vinyl Acetate	6.052	43	324826	78.126	ug/l #	87
24) 1,1-Dichloroethane	6.003	63	63050	16.174	ug/l #	96
25) 2-Butanone	6.972	43	59750	72.475	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	57837	15.701	ug/l	93
27) cis-1,2-Dichloroethene	6.966	96	44554	17.405	ug/l	82
28) Bromochloromethane	7.320	49	15379	9.396	ug/l #	56
29) Tetrahydrofuran	7.338	42	39761	75.890	ug/l #	79
30) Chloroform	7.496	83	69254	17.109	ug/l	94
31) Cyclohexane	7.777	56	58926	16.191	ug/l #	79
32) 1,1,1-Trichloroethane	7.691	97	64402	17.983	ug/l	93
36) 1,1-Dichloropropene	7.911	75	52485	18.725	ug/l	93
37) Ethyl Acetate	7.064	43	28384	17.022	ug/l #	92
38) Carbon Tetrachloride	7.893	117	62757	21.084	ug/l	97
39) Methylcyclohexane	9.179	83	65846	19.099	ug/l	86
40) Benzene	8.149	78	152073	18.445	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	14513m	15.936	ug/l	
42) 1,2-Dichloroethane	8.228	62	45981	19.183	ug/l	91
43) Isopropyl Acetate	8.265	43	50276	16.456	ug/l #	89
44) Trichloroethene	8.935	130	47378	20.011	ug/l	89
45) 1,2-Dichloropropane	9.209	63	35378	16.976	ug/l	96
46) Dibromomethane	9.301	93	22450	18.471	ug/l	86
47) Bromodichloromethane	9.490	83	52216	18.157	ug/l	99
48) Methyl methacrylate	9.289	41	21852	16.238	ug/l #	79
49) 1,4-Dioxane	9.295	88	5002	294.895	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	142908	89.371	ug/l	91
52) Toluene	10.240	92	101903	19.403	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	63373	21.229	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	60683	17.982	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	38782	22.787	ug/l	98
56) Ethyl methacrylate	10.508	69	50625	22.507	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	65364	22.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	81353	90.236	ug/l #	89
59) 2-Hexanone	10.831	43	122297	112.654	ug/l	89
60) Dibromochloromethane	10.984	129	47848	22.734	ug/l	100
61) 1,2-Dibromoethane	11.087	107	39474	23.569	ug/l	99
64) Tetrachloroethene	10.715	164	55243	18.451	ug/l	97
65) Chlorobenzene	11.514	112	133803	19.146	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	49651	19.229	ug/l	97
67) Ethyl Benzene	11.593	91	228280	18.901	ug/l	98
68) m/p-Xylenes	11.697	106	184747	38.826	ug/l	90
69) o-Xylene	12.026	106	82482	18.270	ug/l	90
70) Styrene	12.044	104	137351	18.265	ug/l	96
71) Bromoform	12.203	173	32180	19.869	ug/l #	100
73) Isopropylbenzene	12.325	105	217483	18.006	ug/l	98
74) N-amyl acetate	12.142	43	57649	18.064	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	46035	20.031	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	32986m	18.393	ug/l	
77) Bromobenzene	12.605	156	55240	18.574	ug/l	92
78) n-propylbenzene	12.672	91	260374	17.964	ug/l	97
79) 2-Chlorotoluene	12.752	91	147965	18.031	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	184609	18.299	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	15757	18.657	ug/l #	85
82) 4-Chlorotoluene	12.855	91	156860	18.301	ug/l	97
83) tert-Butylbenzene	13.075	119	164221	18.644	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	182703	18.534	ug/l	96
85) sec-Butylbenzene	13.251	105	243845	18.588	ug/l	98
86) p-Isopropyltoluene	13.367	119	201059	18.358	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	110727	19.256	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	110584	19.160	ug/l	98
89) n-Butylbenzene	13.696	91	190408	18.657	ug/l	99
90) Hexachloroethane	13.959	117	40004	18.904	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	99644	19.127	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7388	17.502	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	62153	19.232	ug/l	99
94) Hexachlorobutadiene	15.111	225	38254	21.725	ug/l	100
95) Naphthalene	15.233	128	121701	18.793	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	54816	19.649	ug/l	99

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

