

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001482.D
 Acq On : 04 Feb 2020 13:16
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:35 PM

Quant Time: Feb 04 14:44:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	250033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	432318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	387247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	177341	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	24691	9.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.52%	
35) Dibromofluoromethane	7.74	113	26561	10.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.06%	
50) Toluene-d8	10.19	98	91485	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	
62) 4-Bromofluorobenzene	12.49	95	41863	10.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	24871	12.046	ug/l	95
3) Chloromethane	2.12	50	26398	9.019	ug/l	96
4) Vinyl Chloride	2.26	62	26506	8.703	ug/l	94
5) Bromomethane	2.66	94	17743	8.668	ug/l	98
6) Chloroethane	2.80	64	16386	8.485	ug/l	93
7) Trichlorofluoromethane	3.15	101	44639	11.006	ug/l	97
8) Diethyl Ether	3.55	74	14747	8.949	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	26868	10.511	ug/l	99
10) Methyl Iodide	4.11	142	32459	9.705	ug/l	100
11) Tert butyl alcohol	4.97	59	21689	53.821	ug/l #	76
12) 1,1-Dichloroethene	3.89	96	26580	9.968	ug/l	95
13) Acrolein	3.76	56	11962	51.219	ug/l	98
14) Allyl chloride	4.50	41	40340	8.717	ug/l	98
15) Acrylonitrile	5.19	53	33132	40.035	ug/l	99
16) Acetone	3.97	43	32947	42.251	ug/l	100
17) Carbon Disulfide	4.22	76	84798	10.078	ug/l	98
18) Methyl Acetate	4.50	43	15248	7.003	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	69694	9.121	ug/l	99
20) Methylene Chloride	4.75	84	35223	8.503	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	29790	9.707	ug/l	98
22) Diisopropyl ether	6.14	45	79575	8.159	ug/l	94
23) Vinyl Acetate	6.09	43	248188	39.452	ug/l	99
24) 1,1-Dichloroethane	6.05	63	48424	9.254	ug/l	97
25) 2-Butanone	7.01	43	44833	39.183	ug/l	98
26) 2,2-Dichloropropane	7.00	77	48161	10.225	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	32514	9.536	ug/l	97
28) Bromochloromethane	7.35	49	13500	6.394	ug/l	100
29) Tetrahydrofuran	7.37	42	27343	37.193	ug/l	99
30) Chloroform	7.53	83	49032	9.480	ug/l	98
31) Cyclohexane	7.80	56	51927	9.938	ug/l #	89
32) 1,1,1-Trichloroethane	7.72	97	44177	10.019	ug/l	100
36) 1,1-Dichloropropene	7.94	75	40574	9.905	ug/l	98
37) Ethyl Acetate	7.10	43	18347	7.661	ug/l	98
38) Carbon Tetrachloride	7.92	117	38287	10.351	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.20	83	54141	10.274	ug/l	94
40) Benzene	8.18	78	116144	9.548	ug/l	98
41) Methacrylonitrile	7.33	41	10044	8.214	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	32009	9.473	ug/l	99
43) Isopropyl Acetate	8.29	43	36723	7.884	ug/l	99
44) Trichloroethene	8.96	130	31409	9.969	ug/l	97
45) 1,2-Dichloropropane	9.23	63	27817	9.134	ug/l	100
46) Dibromomethane	9.32	93	15788	9.595	ug/l	99
47) Bromodichloromethane	9.51	83	37681	9.514	ug/l	98
48) Methyl methacrylate	9.30	41	17225	8.104	ug/l	96
49) 1,4-Dioxane	9.31	88	4148	181.546	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	90685	37.969	ug/l	99
52) Toluene	10.25	92	73959	9.597	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	40521	9.311	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	47647	9.498	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	22050	9.141	ug/l	99
56) Ethyl methacrylate	10.52	69	30382	8.403	ug/l	100
57) 1,3-Dichloropropane	10.80	76	39542	9.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	51962	40.195	ug/l	99
59) 2-Hexanone	10.84	43	63758	38.174	ug/l	98
60) Dibromochloromethane	10.99	129	25955	9.506	ug/l	99
61) 1,2-Dibromoethane	11.10	107	21576	9.410	ug/l	98
64) Tetrachloroethene	10.72	164	25639	10.215	ug/l	97
65) Chlorobenzene	11.52	112	76941	9.446	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	27173	9.774	ug/l	99
67) Ethyl Benzene	11.60	91	144756	9.653	ug/l	97
68) m/p-Xylenes	11.70	106	110566	19.754	ug/l	99
69) o-Xylene	12.03	106	51364	9.551	ug/l	97
70) Styrene	12.05	104	88961	9.461	ug/l	99
71) Bromoform	12.22	173	14168	8.619	ug/l #	98
73) Isopropylbenzene	12.33	105	139716	9.966	ug/l	100
74) N-amyl acetate	12.15	43	34104	7.746	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	24884	8.512	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	17945m	8.550	ug/l	
77) Bromobenzene	12.61	156	29934	9.675	ug/l	97
78) n-propylbenzene	12.67	91	169052	10.050	ug/l	100
79) 2-Chlorotoluene	12.76	91	94199	9.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	118496	10.125	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	9515	8.594	ug/l	95
82) 4-Chlorotoluene	12.86	91	101144	9.878	ug/l	99
83) tert-Butylbenzene	13.08	119	100458	10.181	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	118061	10.059	ug/l	100
85) sec-Butylbenzene	13.26	105	140577	10.058	ug/l	99
86) p-Isopropyltoluene	13.38	119	125285	10.152	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	59827	10.088	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	59135	9.814	ug/l	98
89) n-Butylbenzene	13.70	91	122052	9.859	ug/l	99
90) Hexachloroethane	13.97	117	23597	10.088	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	52038	9.532	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4966	9.746	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	35655	9.690	ug/l	98
94) Hexachlorobutadiene	15.11	225	18143	10.068	ug/l	99
95) Naphthalene	15.24	128	80849	9.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	31101	9.677	ug/l	98

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

