

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000485.D
 Acq On : 30 Oct 2019 11:24
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:24 AM

Quant Time: Oct 30 13:24:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	236185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	383229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	344879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168432	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	48455	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
35) Dibromofluoromethane	7.73	113	47046	20.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.82%	
50) Toluene-d8	10.18	98	161347	18.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.48	95	67561	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	42953	18.475 ug/l	96
3) Chloromethane	2.12	50	63602	19.858 ug/l	99
4) Vinyl Chloride	2.25	62	57678	19.393 ug/l	91
5) Bromomethane	2.63	94	35997	20.183 ug/l	92
6) Chloroethane	2.79	64	36135	19.412 ug/l	89
7) Trichlorofluoromethane	3.12	101	79191	19.716 ug/l	98
8) Diethyl Ether	3.53	74	27285	19.118 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48380	19.923 ug/l	96
10) Methyl Iodide	4.09	142	51990	18.152 ug/l	98
11) Tert butyl alcohol	4.97	59	23963	100.715 ug/l	99
12) 1,1-Dichloroethene	3.87	96	46612	19.757 ug/l	98
13) Acrolein	3.74	56	19475	93.969 ug/l	90
14) Allyl chloride	4.48	41	73836	19.247 ug/l	99
15) Acrylonitrile	5.18	53	72227	98.791 ug/l	98
16) Acetone	3.95	43	57411	85.224 ug/l	92
17) Carbon Disulfide	4.19	76	145890	19.606 ug/l	98
18) Methyl Acetate	4.49	43	37504	17.905 ug/l	94
19) Methyl tert-butyl Ether	5.24	73	126163	19.233 ug/l	98
20) Methylene Chloride	4.72	84	56463	19.561 ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	52589	19.717 ug/l	86
22) Diisopropyl ether	6.13	45	151922	18.220 ug/l	97
23) Vinyl Acetate	6.07	43	508122	96.536 ug/l	97
24) 1,1-Dichloroethane	6.02	63	86278	19.100 ug/l	97
25) 2-Butanone	7.00	43	98825	91.921 ug/l	92
26) 2,2-Dichloropropane	6.99	77	78250	18.955 ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	57043	19.559 ug/l	97
28) Bromochloromethane	7.34	49	22345	12.247 ug/l #	14
29) Tetrahydrofuran	7.36	42	64476	98.031 ug/l	99
30) Chloroform	7.52	83	87406	19.128 ug/l	97
31) Cyclohexane	7.79	56	88701	18.748 ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	78732	19.332 ug/l	99
36) 1,1-Dichloropropene	7.93	75	70987	19.594 ug/l	97
37) Ethyl Acetate	7.08	43	45165	20.998 ug/l #	94
38) Carbon Tetrachloride	7.91	117	70575	20.245 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91356	19.519	ug/l	98
40) Benzene	8.17	78	208262	19.608	ug/l	97
41) Methacrylonitrile	7.34	41	26382m	21.995	ug/l	
42) 1,2-Dichloroethane	8.25	62	60321	20.024	ug/l	100
43) Isopropyl Acetate	8.28	43	80226	19.856	ug/l	99
44) Trichloroethene	8.95	130	57770	20.629	ug/l	83
45) 1,2-Dichloropropane	9.22	63	50339	19.257	ug/l	92
46) Dibromomethane	9.32	93	28767	20.009	ug/l	97
47) Bromodichloromethane	9.50	83	66263	19.425	ug/l	95
48) Methyl methacrylate	9.30	41	35808	20.283	ug/l	95
49) 1,4-Dioxane	9.30	88	8196	423.591	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	212186	98.773	ug/l	98
52) Toluene	10.25	92	133707	19.911	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	69533	19.076	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	79831	19.118	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	39941	19.208	ug/l	96
56) Ethyl methacrylate	10.51	69	56898	19.306	ug/l	98
57) 1,3-Dichloropropane	10.79	76	71814	19.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	129569	97.244	ug/l	100
59) 2-Hexanone	10.83	43	151297	96.664	ug/l	99
60) Dibromochloromethane	10.99	129	46550	19.544	ug/l	100
61) 1,2-Dibromoethane	11.09	107	39770	19.891	ug/l	99
64) Tetrachloroethene	10.72	164	57870	20.293	ug/l	97
65) Chlorobenzene	11.52	112	138413	19.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	47699	19.669	ug/l	98
67) Ethyl Benzene	11.60	91	251663	19.556	ug/l	99
68) m/p-Xylenes	11.70	106	192263	38.601	ug/l	97
69) o-Xylene	12.03	106	92183	19.693	ug/l	97
70) Styrene	12.04	104	153443	19.143	ug/l	99
71) Bromoform	12.20	173	27176	19.484	ug/l #	100
73) Isopropylbenzene	12.33	105	242223	19.458	ug/l	100
74) N-amyl acetate	12.14	43	69559	19.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	47963	19.459	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	34059m	10.935	ug/l	
77) Bromobenzene	12.61	156	55737	19.744	ug/l	97
78) n-propylbenzene	12.67	91	294835	19.629	ug/l	98
79) 2-Chlorotoluene	12.75	91	162863	19.531	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	208130	20.075	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16216	18.958	ug/l	95
82) 4-Chlorotoluene	12.85	91	169385	19.597	ug/l	99
83) tert-Butylbenzene	13.07	119	174147	19.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	204184	19.780	ug/l	99
85) sec-Butylbenzene	13.25	105	248110	19.673	ug/l	99
86) p-Isopropyltoluene	13.37	119	224920	20.010	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	108267	19.581	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	109486	19.816	ug/l	99
89) n-Butylbenzene	13.69	91	217283	19.599	ug/l	99
90) Hexachloroethane	13.95	117	40602	19.539	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	99840	19.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8559	19.621	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	69548	20.360	ug/l	97
94) Hexachlorobutadiene	15.11	225	36526	20.744	ug/l	97
95) Naphthalene	15.23	128	152819	20.153	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	60973	19.896	ug/l	99

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

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