

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002933.D
 Acq On : 19 Jun 2020 12:52
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:06:47 PM

Quant Time: Jun 19 14:29:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 14:17:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	343295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	508645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	475972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	257575	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	15108	5.27	ug/l	0.00
Spiked Amount			Recovery	=	10.54%	
35) Dibromofluoromethane	7.72	113	15004	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.18	98	58466	5.12	ug/l	0.00
Spiked Amount			Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.48	95	21416	5.33	ug/l	0.00
Spiked Amount			Recovery	=	10.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	13206	6.063	ug/l	99
3) Chloromethane	2.12	50	15318	6.132	ug/l	96
4) Vinyl Chloride	2.26	62	14937	5.650	ug/l	95
5) Bromomethane	2.65	94	11956	5.908	ug/l	93
6) Chloroethane	2.80	64	9478	5.512	ug/l	96
7) Trichlorofluoromethane	3.13	101	25985	5.409	ug/l	99
8) Diethyl Ether	3.54	74	9047	5.253	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	15083	5.208	ug/l	98
10) Methyl Iodide	4.10	142	18799	4.897	ug/l	99
11) Tert butyl alcohol	4.97	59	11025	29.993	ug/l	97
12) 1,1-Dichloroethene	3.88	96	15416	5.399	ug/l	92
13) Acrolein	3.74	56	6173	22.408	ug/l	96
14) Allyl chloride	4.49	41	21628	5.261	ug/l	99
15) Acrylonitrile	5.18	53	20434	24.598	ug/l	96
16) Acetone	3.96	43	18514	26.380	ug/l	95
17) Carbon Disulfide	4.20	76	45694	5.560	ug/l	96
18) Methyl Acetate	4.49	43	15184	6.822	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	38868	5.002	ug/l	97
20) Methylene Chloride	4.72	84	46987	9.036	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	17201	5.423	ug/l	95
22) Diisopropyl ether	6.13	45	43133	5.070	ug/l	99
23) Vinyl Acetate	6.07	43	119420	22.384	ug/l	98
24) 1,1-Dichloroethane	6.03	63	25713	5.132	ug/l	96
25) 2-Butanone	7.00	43	26621	25.247	ug/l	94
26) 2,2-Dichloropropane	6.99	77	25815	5.425	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	18375	5.164	ug/l	95
28) Bromochloromethane	7.34	49	10359	4.972	ug/l	93
29) Tetrahydrofuran	7.36	42	17050	25.075	ug/l	98
30) Chloroform	7.51	83	26801	5.104	ug/l	91
31) Cyclohexane	7.79	56	28579	5.776	ug/l	# 84
32) 1,1,1-Trichloroethane	7.71	97	25074	5.206	ug/l	98
36) 1,1-Dichloropropene	7.93	75	21912	5.316	ug/l	99
37) Ethyl Acetate	7.08	43	12000	5.179	ug/l	98
38) Carbon Tetrachloride	7.90	117	23294	5.143	ug/l	91

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

39) Methylcyclohexane	9.19	83	28883	5.375	ug/l	95
40) Benzene	8.17	78	65641	5.328	ug/l	99
41) Methacrylonitrile	7.32	41	5169m	2.467	ug/l	
42) 1,2-Dichloroethane	8.24	62	17910	5.227	ug/l	98
43) Isopropyl Acetate	8.28	43	21481	5.060	ug/l	99
44) Trichloroethene	8.94	130	20276	5.296	ug/l	97
45) 1,2-Dichloropropane	9.22	63	14999	5.049	ug/l	97
46) Dibromomethane	9.31	93	9369	5.283	ug/l	97
47) Bromodichloromethane	9.50	83	20186	4.921	ug/l	97
48) Methyl methacrylate	9.30	41	9297	4.924	ug/l	97
49) 1,4-Dioxane	9.30	88	2739	106.908	ug/l	86
51) 4-Methyl-2-Pentanone	10.07	43	55753	24.587	ug/l	100
52) Toluene	10.25	92	41615	5.226	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	22304	5.020	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	25146	4.988	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	13634	5.136	ug/l	97
56) Ethyl methacrylate	10.51	69	17275	4.941	ug/l	100
57) 1,3-Dichloropropane	10.79	76	22708	5.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	42836	24.486	ug/l	99
59) 2-Hexanone	10.83	43	37692	23.785	ug/l	99
60) Dibromochloromethane	10.99	129	16513	4.926	ug/l	100
61) 1,2-Dibromoethane	11.09	107	13127	5.014	ug/l	96
64) Tetrachloroethene	10.72	164	21664	5.376	ug/l	94
65) Chlorobenzene	11.52	112	46869	5.185	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	16941	4.979	ug/l	99
67) Ethyl Benzene	11.59	91	79502	5.124	ug/l	98
68) m/p-Xylenes	11.70	106	62125	10.307	ug/l	100
69) o-Xylene	12.03	106	28814	5.071	ug/l	98
70) Styrene	12.04	104	48931	5.000	ug/l	99
71) Bromoform	12.20	173	10997	4.851	ug/l #	97
73) Isopropylbenzene	12.33	105	78644	5.002	ug/l	100
74) N-amyl acetate	12.14	43	18974	4.746	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	14529	4.983	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	11093m	3.037	ug/l	
77) Bromobenzene	12.61	156	21228	5.138	ug/l	99
78) n-propylbenzene	12.67	91	92278	5.044	ug/l	99
79) 2-Chlorotoluene	12.75	91	51754	5.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	65813	5.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	5747	4.988	ug/l	98
82) 4-Chlorotoluene	12.85	91	55557	5.137	ug/l	99
83) tert-Butylbenzene	13.08	119	59324	5.024	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	65877	4.973	ug/l	99
85) sec-Butylbenzene	13.25	105	82190	5.091	ug/l	99
86) p-Isopropyltoluene	13.37	119	75542	5.008	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	40512	5.164	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	41366	5.258	ug/l	96
89) n-Butylbenzene	13.69	91	68958	5.036	ug/l	100
90) Hexachloroethane	13.96	117	13870	4.972	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	36480	5.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2725	4.984	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	27187	5.071	ug/l	99
94) Hexachlorobutadiene	15.11	225	15920	5.080	ug/l	99
95) Naphthalene	15.23	128	52120	4.972	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	24024	5.029	ug/l	99

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

