

Data File : VY002674.D
Acq On : 13 May 2020 11:20
Operator : SY/MD
Sample : VY0513SBS01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0513SBS01

Quant Time: May 14 03:52:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	383616	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	558152	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	496669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	260998	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	149162	46.24	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	7.72	113	166222	52.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.18	98	652520	52.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.48	95	222890	52.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.91	85	43338	14.969 ug/l	100
3) Chloromethane	2.12	50	56059	18.037 ug/l	100
4) Vinyl Chloride	2.25	62	63462	17.683 ug/l	99
5) Bromomethane	2.65	94	45454	18.366 ug/l	97
6) Chloroethane	2.80	64	40161	18.742 ug/l	99
7) Trichlorofluoromethane	3.13	101	106762	19.195 ug/l	99
8) Diethyl Ether	3.54	74	36795	19.686 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68383	20.116 ug/l	99
10) Methyl Iodide	4.10	142	83219	17.969 ug/l	99
11) Tert butyl alcohol	4.96	59	30570	92.120 ug/l	98
12) 1,1-Dichloroethene	3.88	96	64772	19.614 ug/l	97
13) Acrolein	3.74	56	14548	63.397 ug/l	91
14) Allyl chloride	4.49	41	96091	19.971 ug/l	97
15) Acrylonitrile	5.18	53	82991	94.153 ug/l	99
16) Acetone	3.95	43	57012	85.645 ug/l	97
17) Carbon Disulfide	4.20	76	171024	17.215 ug/l	98
18) Methyl Acetate	4.48	43	41664	18.732 ug/l	99
19) Methyl tert-butyl Ether	5.23	73	167698	19.464 ug/l	100
20) Methylene Chloride	4.73	84	73357	19.706 ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	71808	19.895 ug/l	96
22) Diisopropyl ether	6.13	45	204440	20.999 ug/l	97
23) Vinyl Acetate	6.07	43	590706	96.478 ug/l	99
24) 1,1-Dichloroethane	6.03	63	117731	20.441 ug/l	99
25) 2-Butanone	7.00	43	98781	90.652 ug/l	98
26) 2,2-Dichloropropane	6.99	77	113732	20.774 ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	82183	20.578 ug/l	99
28) Bromochloromethane	7.35	49	47734	20.228 ug/l	100
29) Tetrahydrofuran	7.36	42	67664	93.855 ug/l	100
30) Chloroform	7.51	83	123165	20.566 ug/l	95
31) Cyclohexane	7.79	56	110324	19.030 ug/l	# 95
32) 1,1,1-Trichloroethane	7.71	97	112854	20.275 ug/l	100
36) 1,1-Dichloropropene	7.92	75	97233	20.781 ug/l	100
37) Ethyl Acetate	7.08	43	46588	19.376 ug/l	99
38) Carbon Tetrachloride	7.91	117	104530	20.462 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	123183	19.932	ug/l	97
40) Benzene	8.16	78	277807	20.557	ug/l	99
41) Methacrylonitrile	7.32	41	22926m	17.734	ug/l	
42) 1,2-Dichloroethane	8.24	62	72676	19.172	ug/l	98
43) Isopropyl Acetate	8.28	43	86798	19.256	ug/l	99
44) Trichloroethene	8.94	130	90977	21.541	ug/l	99
45) 1,2-Dichloropropane	9.22	63	69348	21.262	ug/l	98
46) Dibromomethane	9.31	93	36901	19.664	ug/l	98
47) Bromodichloromethane	9.50	83	93760	20.548	ug/l	96
48) Methyl methacrylate	9.30	41	39572	19.398	ug/l	99
49) 1,4-Dioxane	9.30	88	9897	398.327	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	226335	97.415	ug/l	98
52) Toluene	10.25	92	181990	20.954	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	97140	20.319	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	113131	20.469	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	55783	20.384	ug/l	98
56) Ethyl methacrylate	10.51	69	72364	19.878	ug/l	97
57) 1,3-Dichloropropane	10.79	76	94672	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	203950	106.234	ug/l	98
59) 2-Hexanone	10.83	43	154338	96.513	ug/l	100
60) Dibromochloromethane	10.99	129	71742	20.612	ug/l	100
61) 1,2-Dibromoethane	11.09	107	54412	20.081	ug/l	99
64) Tetrachloroethene	10.72	164	100743	22.829	ug/l	98
65) Chlorobenzene	11.52	112	202793	21.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	75981	21.679	ug/l	98
67) Ethyl Benzene	11.59	91	358049	21.589	ug/l	100
68) m/p-Xylenes	11.70	106	277186	43.195	ug/l	100
69) o-Xylene	12.03	106	130408	21.704	ug/l	99
70) Styrene	12.05	104	221864	21.600	ug/l	99
71) Bromoform	12.21	173	44555	20.482	ug/l #	98
73) Isopropylbenzene	12.33	105	362451	21.428	ug/l	100
74) N-amyl acetate	12.14	43	80666	19.824	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	49619	18.445	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	46518m	20.056	ug/l	
77) Bromobenzene	12.61	156	89651	21.214	ug/l	99
78) n-propylbenzene	12.67	91	424072	21.604	ug/l	99
79) 2-Chlorotoluene	12.76	91	229741	21.129	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	300993	21.467	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22281	19.263	ug/l	98
82) 4-Chlorotoluene	12.86	91	243154	21.289	ug/l	98
83) tert-Butylbenzene	13.08	119	267303	21.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	297401	21.283	ug/l	99
85) sec-Butylbenzene	13.25	105	370873	21.740	ug/l	100
86) p-Isopropyltoluene	13.37	119	345637	21.623	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	168847	21.110	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	166096	20.971	ug/l	98
89) n-Butylbenzene	13.70	91	317445	21.815	ug/l	100
90) Hexachloroethane	13.96	117	63640	21.862	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	149514	20.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8932	17.812	ug/l	97

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	106820	20.615	ug/l	100
94) Hexachlorobutadiene	15.11	225	67423	21.677	ug/l	99
95) Naphthalene	15.24	128	178909	18.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	88451	20.108	ug/l	100

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

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